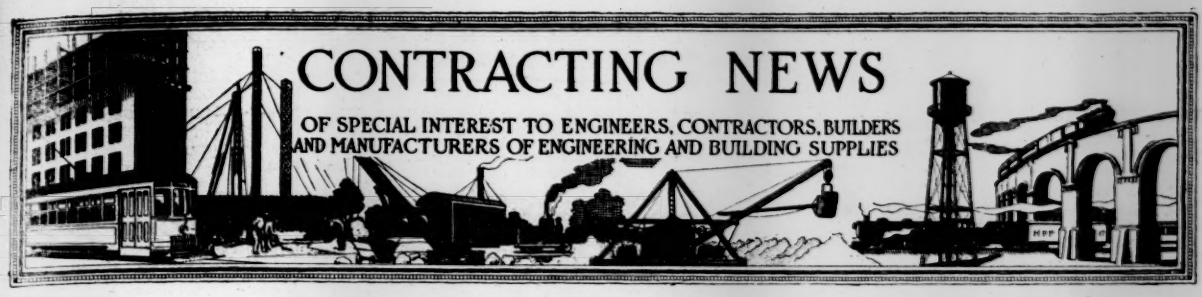
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 53 to 59 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
July 16.	Belle Plaine, Minn.	July 12
July 17.	New York, N. Y. Adv. June 7 to 28 and July 5.	June 14
July 17.	Brooklyn, N. Y.	July 12
July 19.	Newark, N. J.	July 12
July 25.	Waverly, Ia.	July 12
Sept. 11.	New York, N. Y.	July 12

SEWERS

July 16.	Camden, N. J.	July 12
July 17.	Davenport, Ia.	July 12
July 17.	Hamilton, O.	July 12
July 17.	Toronto, Ont.	July 12
July 18.	Phila., Pa.	July 12
July 19.	Cleveland, O.	July 12
July 21.	Hagerstown, Md.	July 12
July 23.	Wingdale, N. Y. Adv. June 28 to July 12.	June 28
July 24.	Crosby, Minn.	July 12
July 31.	Linndale, O.	July 5
July 31.	Glenwood, Minn.	July 12
Aug. 1.	Atwater, Minn.	July 12
Aug. 1.	Hazeltown, Md.	July 12

STRUCTURAL STEEL WORK

July 15.	Orange, Tex.	June 7
	Adv. June 7 to 21.	
July 17.	West Palm Beach, Fla. Adv. June 21.	June 21
July 17.	Quincy, Ill.	July 12
July 19.	Virginia City, Mont.	July 12
July 25.	Warren, O.	July 12
July 30.	New York, N. Y.	July 12
Aug. 2.	Miami, Fla. Adv. June 28 and July 5.	June 28
Aug. 14.	Brazil, Ind.	July 12
Aug. 16.	Hamlin, W. Va.	July 12

REINFORCED CONCRETE

July 14.	Quincy, Ill.	July 5
July 15.	Kansas City, Kan.	June 28
July 16.	Berkeley Springs, W. Va.	June 28
July 16.	Colfax, Wash.	July 12
July 17.	Geneva, Neb.	June 28
July 17.	New Brunswick, N. J. Adv. June 28 and July 5.	June 28
July 17.	Owantonna, Minn.	July 12
July 19.	Marion, Ind.	July 12
July 27.	Somerville, N. J.	July 12
July 28.	Sullivan, Ind.	July 12
July 30.	Watsontown, Pa.	July 5
Aug. 6.	Greenville, Miss.	July 12

STREETS AND ROADS

July 14.	Medina, O.	July 12
July 14.	Richmond, Va.	July 12
July 14.	Indiana	June 14
July 14.	Pine Bluff, Ark.	June 28
July 14.	Lincoln, Neb.	July 5
July 14.	Rochester, Ind.	July 5
July 14.	Hightstown, N. J.	July 12
July 16.	California	June 28
July 16.	Victoria, Tex.	July 12
July 16.	Union, N. J.	July 12
July 16.	Elizabeth, N. J.	July 12
July 16.	Ashland, O.	July 12
July 16.	Grayville, Ill.	July 12
July 16.	Westfield, N. J.	July 12
July 17.	Seattle, Wash.	July 12
July 17.	Princeton, N. J.	July 12
July 17.	Henderson, Ky.	July 12
July 17.	Baltimore, Md.	July 12
July 18.	Zanesville, O.	July 12
July 18.	Belvidere, N. J. Adv. June 28 to July 12.	June 28
July 16.	Port Orchard, Wash.	July 5
July 18.	Hawthorne, N. J.	July 5
July 18.	Davenport, Ia.	July 12
July 19.	Flemington, N. J.	June 28
July 19.	McCormick, S. C.	July 12
July 20.	Cincinnati, O.	July 12
July 20.	Walla Walla, Wash.	July 12
July 21.	Wauseon, O.	July 5
July 23.	Indiana	July 12
July 24.	Pennsylvania	July 12
July 24.	Pennsylvania	June 28
July 24.	Pottstown, Pa.	July 12
July 25.	Warsaw, Ind.	July 12
July 25.	Indiana	July 12
July 25.	Idaho	July 5
Aug. 6.	Clifton, Ariz.	July 12
Aug. 7.	Indiana	July 12
Aug. 13.	Lewiston, Idaho	May 24
Aug. 16.	Hamlin, W. Va.	July 12

INDUSTRIAL WORKS

July 25.	Brooklyn, N. Y.	July 12
Aug. 1.	St. Petersburg, Fla.	July 5

EXCAVATION AND DREDGING

July 14.	Cambridge, Minn.	July 5
July 14.	Huntington, Tenn.	July 5
July 14.	Mankato, Minn.	July 5
July 16.	Hanna, Ill. Adv. June 28 to July 12.	June 28
July 16.	Lake Shore (Spanish Fork Post Office)	July 5
July 16.	Mason City, Ia.	July 12
July 16.	Canyon City, Ore.	July 12
July 18.	Glenwood, Ia. Adv. June 21 and 28 and July 5.	June 21
July 18.	Des Moines, Ia.	July 12
July 18.	Calhoun, Ky.	July 12
July 19.	Morris, Minn.	July 12
July 19.	Greenville, Miss. Adv. June 21 and 28.	June 28
July 20.	St. Cloud, Minn.	June 21
July 20.	Nevada, Ia.	July 12
July 21.	Kankakee, Ill.	July 5
July 23.	Marshall, Minn.	July 12
July 24.	Slayton, Minn.	July 5
July 25.	Dyersburg, Tenn.	July 13
July 27.	Detroit, Mich.	July 5
July 30.	Walker, Minn.	July 12
July 31.	Susanville, Cal.	July 12
Aug. 1.	Sac City, Ia.	July 12

BUILDINGS

July 16.	Great Bend, Kan.	June 28
July 16.	Cresco, Ia.	July 5
July 16.	Blue Hill, N. D.	July 12
July 16.	Mapleton, Ia.	July 12
July 16.	Monte Vista, Colo.	July 12
July 18.	Concordia, Kan.	June 28
July 18.	Randolph, Minn.	July 12
July 19.	Shenandoah, Ia.	June 28
July 20.	Akron, O.	July 5
July 21.	Greencastle, Ind.	July 12
July 21.	Jacksonville, Fla.	July 12
July 21.	Martins Ferry, O.	July 5
July 21.	Livingston, Mont.	July 5
July 23.	Hoisington, Kan.	July 12
July 23.	Columbus Jct., Ia.	June 28
July 24.	Crosby, Minn.	July 12
July 30.	Ft. Wayne, Ind.	June 28
July 31.	Ft. Wayne, Ind.	July 5
Aug. 1.	Stillwater, Okla.	July 12
Aug. 1.	Ft. Wayne, Ind.	July 12
Aug. 20.	Troy, N. Y.	July 12

FEDERAL GOVERNMENT WORK

July 16.	Newburyport, Mass.	June 14
July 16.	Charleston, W. Va.	June 28
July 16.	Dover, N. J.	July 5
July 16.	St. Louis, Mo.	July 5
July 16.	Phila., Pa.	July 12
July 17.	Jasper, Ala.	July 12
July 18.	St. Ignatius, Mont. Adv. June 21.	June 21
July 20.	Ft. Fairfield, Me.	June 21
July 21.	St. Louis, Mo.	July 12
July 23.	Cincinnati, O. Adv. June 21 to July 12.	June 28
July 25.	Cherokee, Okla.	July 5
July 25.	Mare Island (Vallejo P. O.), Cal.	July 12
July 25.	Puget Sound (Bremerton P. O.), Wash.	July 12
July 26.	Key West, Fla.	July 12
July 26.	Gallatin, Tenn. Adv. June 21 and 28.	June 28
July 27.	Vernon, Tex.	June 28
July 30.	New York, N. Y.	July 12
July 30.	Keyport, Wash.	July 12
July 30.	San Antonio, Tex.	July 12
July 30.	Newport, R. I.	July 12
July 31.	Chardon, Neb.	July 5
Aug. 3.	Winchester, Mass.	July 5
Aug. 6.	Globe, Ariz.	July 5
Aug. 14.	West Point, Ga.	July 12
Aug. 17.	Wash., D. C.	July 12

MISCELLANEOUS

July 16.	Street Signs, Camden, N. J.	July 12
July 18.	Incinerator, Outremont, Que.	July 5

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. Y., Olean—Bd. Water Comrs. asked City Council to issue $75,000 bonds to install filtration plant. W. Sheehan, supt.

N. J., South Orange—See "Sewers."

Pa., Mt. Joy—City having plans prepared by Gannett, Seelye & Fleming, engrs., 204 Locust St., Harrisburg, for filter plant. About $15,000. H. M. Stauffer, chn.

Fla Appalachicola—City plans waterworks extension involving 4500 ft. 6-in. and 2000 ft. 8-in. piping and connections. About $15,000. Address Comr. Pub. Wks.

Fla., St. Augustine—City having plan prepared for water-works improvement. A. J. Pelier, supt.

O., Greenville—City will sell $60,000 bonds July 25 for water-works improvements. G. A. Johnson, 150 Nassau St., New York City, engr. Noted July 5.

Ind., Lawrenceburg—City having plans prepared by A. Karsteter, engr., for waterworks. About $40,000. J. M. Fraezer, clk.

Wis., Superior—Council plans to install 12-in. water main, 28th St. About $20,000. A. Lounsberg, supt.

Minn., Duluth—City will appropriate $40,000 for installing electric pump at Lakewood pumping station. W. Palmer, ch. engr.

Minn., Ogilvie—Village having plans prepared by J. F. Druar, engr., 312 Commercial Bldg., St Paul, for water system. M. Sand, village clk.

Minn., St. James—City soon lets contract constructing 225,000 gal. reservoir. J. H. A. Brahtz, Mankato, engr.

Kan., Altoona—City voted $30,000 bonds to enlarge water and electric-light systems. W. B. Rollins & Co., 209 Ry. Ex. Bldg., Kansas City, Mo., engrs. Noted June 7.

Kan., Clearwater—City soon lets contract for water-works improvements, including generator, oil engine and pump. F. Murphy, clk. W. B. Rollins & Co., 209 Ry Ex. Bldg., Kansas City, Mo., engrs.

Water-Works (Continued)

N. D., Dickinson—City plans to extend water and sewerage systems, about 10,000 ft. Address City Engr.

N. D., Towner—(Official)—City rejected bids underground reservoir. Noted June 28. A. M. Berget, city aud.

Mo., East Alton—See "Sewers."

Mo., Kansas City—City plans laying 4½ mi. of 48-in. c.-i. main along south side of Kaw River. B. Lowther, supt.

Tex., Abilene—City election Aug. 15 to vote on $50,000 bonds for constructing storage reservoir to have capacity of 5,000,000,000 gal. Noted June 21.

Tex., Abilene—City plans to install pumping plant and improve present water system. About $500,000. W. A. Riney, city engr.

Okla., Ada.—City having plans prepared for improving water-works; including new rein.-con. flume 36 in. in diam. at Byrds Mill, new intake, laying new water mains and 50,000-gal. capacity, elevated tank, etc.

Okla., Enid—City voted $50,000 bonds to extend water-works. F. N. Brooks, supt.

Okla., Waurika—City election soon to vote on $15,000 bonds for improving water system. Address City Clk.

Utah, Salt Lake City—See "Sewers."

Wash., Seattle—City having plans prepared for water mains in Alki Ave. About $45,000. A. H. Dimock, city engr.

Wash., Walla Walla—City having plans prepared for reservoir and improving water-works system. About $80,000. R. F. McLean, supt.

Wash., Wenatchee—City plans pipe line to the Squilchuck, filter plant at Okanogan St. reservoir and other improvements to water-works; filter to cost $33,000. C. T. White, comr.

Cal., Vallejo—City plans additional dam on Green Valley Creek to increase water supply. About $80,000. O. Von Geldern, Pacific Bldg., San Francisco, engr.

N. B., Edmuston—Town plans addition to aqueduct, sewerage and electric systems. About $75,000.

Ont., Weston—See "Reinforced Concrete."

BIDS DESIRED

N. Y., Brooklyn—Until July 17, by W. Williams, comr. water supply, Gas and Electricity, Municipal Bldg., New York City, furnishing, delivering, unloading, stacking and storing c.i. pipe, special and valve box castings, valves and double-nozzle fire hydrants.

N. Y., New York—(Official)—Until Sept. 11 (change of date), by Bd. Water Supply, 22 floor, Municipal Bldg., Park Row, Centre and Chambers Sts., for Shandaken tunnel, as part of Schoharie watershed development for New York City water supply; advertised in this issue.

N. J., Newark—Until July 19, by Bd. St. and Water Comrs., for 2500 water meters. M. R. Sherrerd, city engr.

Ia., Waverly—(Official)—Until July 23 by City for installing 200,000-gal. rein.-con. reservoir and 1200 ft. 12-in. c.-i. pipe and extensions to concrete dam, etc. Former bids rejected. F. A. Lee, clk. C. P. Chase, Clinton, engr. Noted June 28.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—City let contract laying water pipe and appurtenances for high pressure fire distribution system M. D. Sisto, 198 Lagrange St., Roxbury. About $63,237.

★**O., Cleveland**—City let contract ¾-, 1-, 1½- and 2-in. water meters to Buffalo Meter Co., 2917 Main St., $40,080.

O., East Liverpool—City received low bids water-works plant; (a) steam piping, (b) ash conveyor, (c) damper regulator, (d) steam pipe covering, from Johns Danford Co., 70 Elliott St., Buffalo, (a) $10,990, (b) $3980, (c) $345 (d) $2759; Best Co., Pittsburgh, (a) $14,420, (b) $3592; Power Piping Co., (a) $15,500, (b) $3000. Noted June 21.

Ind., Kendalville—City received low bid for reservoir from Indiana Engr. Co., 702 Schoff Bldg., Ft. Wayne, $23,214.

★**Minn., Rochester**—See "Reinforced Concrete."

Neb., Unadilla—City received bids June 11 for water system from Katz Constr. Co., 638 Brandeis Bldg., Omaha, $10,194; Intermountain Constr. Co., Tecumseh, $15,552. Noted June 7.

★**N. D., Anamoose**—See "Sewers."

★**Mont., Livingston**—City let contract water system as follows: Pittsburgh Filter Co., Farmers Bank Bldg., Pittsburgh, general construction, $53,500, filter equipment, $29,800; McLaughlin & O'Neil, pipe distributing system, $26,693; Merkle Heinz Machinery Co., 508 Interstate Bldg., Kansas City, Mo., pumping machinery, $6755, hydrants and valves, $7326; American Cast Iron Pipe Co., 1 Bway., New York City, c.i. pipe, $85,445.

★**Que., St. Johns**—City let contract building filter, water tank and replacing several mains at water-works to Laurin & Leitch, 5 Beaver Hall Sq., Montreal, $195,975.

SEWERS

Proposed Work

Mass., Fitchburg—City soon lets contract installing one unit Starr sewage disposal system. About $25,000.

Mass., Leomister—City having plans prepared by Green Starr Eng. Co., 16th and Chestnut Sts., sewage disposal plant. About $15,000.

R. I., Providence—City passed resolution to issue $100,000 bonds to install sewers. M. H. Brondson, city engr.

N. Y., Schenectady—Council appropriated $40,000 to install sewers in various streets, including Rugby Rd. and Eastern Ave. T. Wooley, city engr.

N. J., South Orange—Village will sell $35,000 bonds July 16 for sewer improvements; $19,000 for water-works improvement; $12,000 street improvement; $23,000 for eliminating grade crossing. F. Fenner, village treas.

N. J., Trenton—City plans to install sewers Cain, Louis and Centennial Aves., Trent St., Greeley and Peake Alley. L. D. Hirsch, clk.

Ga., Atlanta—City plans improvements to sewerage system. About $22,000. H. N. Hurt, city engr.

O., Cincinnati—City plans sewer in California Ave., also paving portion of Central Ave. F. Krug, city engr.

O., Cincinnati—City will issue $800,000 bonds for acquiring easements for sewers through properties. F. Krug, city engr.

O., Cleveland Heights—(Warrensville P. O.)—Village to sell $10,000 bonds July 16 to install sewers. H. H. Canfield, clk.

O., Dover—City plans sanitary sewer on west side of North Wooster Ave. E. Arnold, city engr.

O., Marion—City plans constructing sanitary and storm sewer in portion of Spencer St. H. H. Noyes, city engr.

O., Newark—City plans sewer in portion of Arlington Ave. C. H. Wells, city engr.

O., Toledo—City plans storm sewer neighborhood Stickney Ave., Mulberry St. and section beyond Forest Cemetery to relieve flood conditions. About $150,000. W. Harmon, city sanitary expert.

Mich., Escanaba—City having plans prepared for 2 mi. concrete sewer. M. J. Hodson, city engr.

Ill., Rock Island—City had plans prepared 2 sewers in portions of 9th, 11th and 18th Sts. and 15th Ave. About $10,645. W. Treichler, city engr.

Wis., Milwaukee—City will issue $400,000 bonds to install for sewerage system. G. Stall, city engr.

Ia., Primghar—City plans installing sewerage system and paving streets. About $100,000. Address City Clk.

Minn., Caledonia—Village soon lets contract for sewerage system. O. Merlo, clk. J. F. Druar, 312 Commercial Bldg., St. Paul, engr. Noted May 24.

Minn., Cojato—City plans to install complete sewerage system. G. A. Stenson, clk.

Minn., Fairmont—City plans addition to sanitary sewerage system. About $60,000. A. Jones, city engr.

Minn., St. Paul—City had plans prepared for sewers in portions of James, Sydney, Sixth and other streets. O. Claussen, city engr.

Minn., Waseca—City election July 16 to vote on $25,000 bonds for constructing sewers. J. Madigan, city clk

Kan., Hutchinson—City plans 32-in. drain to care for storm waters of northwestern part of city. About $30,000. G. L. Mayne, city engr.

N. D., Dickinson—See "Water-Works."

Mo., East Alton—City plans extending water-works and sewerage systems. Address City Clk.

Tex., Lampasas—City plans to install sewerage system. Address City Clk.

Okla., Commerce—City voted $[illegible] bonds for sewerage system. Benham Engr. Co., Colcord Bldg., Oklahoma, engrs. Noted June 7.

Okla., Oklahoma—City plans to install activated sludge plant for treating sewage. About $70,000. G. V. McClure, city engr.

Okla., Okmulgee—City election soon to vote on $145,000 bonds for sewer improvements. Benham Engineering Co., Colcord Bldg., Oklahoma, engrs. Noted Apr. 17.

Okla., Sentinel—City election soon to vote on $15,000 bonds for improving sewerage and light systems. W. B. Rollins & Co., 209 Ry. Ex. Bldg., Kansas City, Mo., engrs.

N. M., Las Vegas—City soon receives bids storm sewer and paving on 7th Ave. Address City Clk.

Idaho, Moscow—City plans to construct pipe line to locate sewerage-disposal plant. A. Smith, city engr., estimates cost between $7300 and $21,500.

Idaho, Pocatello—City plans sewers in Lateral Sewer Dist. No. 12. About $25,250. A. R. Dawson, city clk.

Utah, Salt Lake City—(Official)—City defeated $176,000 bonds to install storm sewers; $100,000 to build bridges; $316,000 to improve streets; $808,500 to improve, extend and enlarge water system; $200,000 to improve parks and build bath house. S. Q. Cannon, city engr. Noted June 14.

Ariz., Jerome—City will soon sell $40,000 bonds for sewers. Olmstead & Gillelen Hollingsworth Bldg., Los Angeles, engrs.

Wash., Seattle—See "Streets and Roads."

Wash., Seattle—City having plans prepared for sewerage system and purification plant. About $1,025,000. A. H. Dimock, city engr.

Ore., Pendleton—City to sell $20,000 bonds for constructing septic tank. Address City Clk.

N. B., Edmunston—See "Water-Works."

Ont., Toronto—City plans to install sewers portion Don Esplanada, west side. About $20,500. W. A. Littlejohn, city clk.

Ont., Toronto—City plans sewers in Landsowne Ave. About $36,670. R. Harris, wks. comr.

BIDS DESIRED

N. J., Camden—Until July 16 by Council for sewers in Carman and Lewis Sts., and retopping sewer on Federal St. F. S. Vanhart, chn. st. comn. Noted June 21.

Pa., Phila.—Until July 18, by G. E. Datesman, dir. pub. ser., for further work on northeast sewage treatment plant, O and Lycoming Sts.

Md., Hagerstown—Until Aug. 1, by Sewerage Comn., for sewers in southeast section. About $100,000. J. B. Ferguson, 43 North Jonathan St., engr.

O., Cleveland—Until July 19, by City, for installing sewers in portions of East 116th, East 171st and Corlett Sts. R. Hoffman, city engr.

O., Hamilton—(Official)—Until July 17, by Dept. Pub. Ser., for furnishing following materials: About 47,500 ft. of from ¾- to 4-in. standard black pipe; 500 curb boxes; 1400 gas cocks; 600 1- to 1½-in. black long screws and 400 1¼ x 1-in. black beaded ells. H. R. Garver, dir.

O., Toledo—See "Streets and Roads."

Ill., Grayville—See "Streets and Roads."

Ia., Davenport—Until July 17, by Sewer Com., for sewer drains in Rock Island Dist., Valley and other streets. About $100,000. A. R. Boudinot, city engr. Noted June 7.

Min., Atwater—Until Aug. 1 by Village for installing sewerage system involving 24,000 ft. of from 8- to 15-in. pipe. C. A. Swenson, clk.

Sewers (Continued)

Minn., Crosby—Until July 24, by City, for installing sanitary trunk sewer and lateral sewers. H. L. Nicholson, clk. C. S. Scheuer, engr.

Minn., Glenwood—Until July 31, by A. Iggers, city clk., for sewer in Franklin St., and 3000 ft. in branches.

Ont., Toronto—Until July 17, by T. L. Church, chn. bd. control, for sewers in portions of Younge St., Rosedale Creek, and Lawton Ave.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—City let contract tunnel relief sewer and appurtenances in portion of West 46th St. to Melrose Constr. Co., 147 East 125th St., $83,630.

★**N. J., Cliffside Park**—City let contract lateral sewers in several streets to Bergen Contr. Co. About $15,665.

★**La., New Iberia**—City let contract sewerage system to Hamilton Constr. Co., Shreveport. About $95,000. Noted May 17.

★**Tenn., Fayetteville**—See "Streets and Roads."

★**O., Dayton**—City let contract Vernon Pl. storm sewer to W. S. Kerchner & Son, $24,400.

★**Mich., Muskegon Heights**—(Official)—City let contract screen house, 2 sedimentation tanks, sludge drainage bed, etc., to G. B. Clark, Ludington, $590,000.

★**Ill., Warsaw**—(Official)—City let contract installing sanitary sewers, etc., to Harness Bros., Ottumwa, Ia., $21,336. Noted June 21.

★**Ill., West Frankfort**—(Official)—City let contract sewerage system to Craine Bros., Murphysboro, $81,933.

★**Ia., Sioux City**—City let contract West Morningside sewer, about 6 mi. long, to Cady & Savonell, $30,000.

★**Minn., Virginia**—City let contract installing tile storm sewers, Rooney's addition to C. Christopherson, 512 2nd St., $11,000.

★**Tex., Port Arthur**—City let contract sewers and pumping station to Caldwell Constr. Co., Texarkana, $70,097. Noted Apr. 12.

★**Okla., Oklahoma City**—City let contract sewers to Burkham Constr. Co., St. Louis. About $183,343. Noted Apr. 19.

★**Cal., Daly City**—See "Streets and Roads."

★**Cal., Los Angeles**—City let contract sewage disposal plant at County Farm. to M. Matic, $10,070.

★**B. C., Trail**—City let contract sewerage system to J. A. Broley & Co., Fernie, $24,650. Noted May 31.

STRUCTURAL STEEL WORK

Proposed Work

N. J., Ocean City—City plans bridge over Great Egg Harbor Bay from Beesley's Point to Somers Point. A. Champaion, mayor.

N. C., Charlotte—County sold $100,000 bonds to build bridges.

Wis., Prairie du Chien—(Official)—Prairie du Chien & Wyalusing Bridge Co. retained J. H. A. Brahtz, engr., St. Paul and Mankato, Minn., to prepare plans 700-ft. toll highway bridge over Wisconsin River. Noted May 31.

Minn., Virginia—Duluth, Missak & Northern Ry. plans to construct viaduct over Gilbert Rd. to carry street traffic. About $100,000. H. L. Dresser, Duluth, ch. engr.

Kan., Topeka—City having plans prepared rebuilding Kansas Ave. Bridge over Soldier Creek, 140 ft. long. About $25,000. A. R. Young, city engr.

Kan., Topeka—Missouri Pacific R.R. plans bridge over Kaw River; present bridge to be removed and new steel truss span 250 ft. long to replace same. E. A. Hadley, 1 Ry. Exchange Bldg., St. Louis, Mo., ch. engr.

Mont., Lewiston—Great Northern Ry. plans 1600-ft. bridge over Musselshell River. A. H. Hogeland, 4th and Jackson Sts., St. Paul, ch. engr.

Mo., Moberly—City, Wabash and Missouri, Kansas & Texas Railroads will build viaduct over Robins St. About $44,700, city to pay $11,695, Wabash, $18,246 and Missouri, Kansas & Texas, $14,759. L. F. Lonnbladh, Dallas, ch. engr. latter road.

Okla., New Castle—Oklahoma City-New Castle Bridge Co., incorporated with $150,000 capital stock, will build bridge over South Canadian River between Oklahoma and Grady Cos. C. A. Schweinle, F. Thompson and M. D. Scott, Oklahoma, incorporators. Noted June 21.

Okla., Poteau—See "Streets and Roads."

Utah, Salt Lake City—See "Sewers."

Utah, Salt Lake City—(Official)—Citizens defeated bonds to build bridge over Jordan River at 4th S. and 5th S. Sts. and surplus canal at Redwood Rd. About $22,500. S. Q. Cannon, city engr. Noted June 14.

Ont., Markham—County plans 80- to 100-ft. bridge over stream on Locust Hill. E. A. James, Excelsior Life Bldg., Toronto, comr.

Ont., Toronto—Toronto-Hamilton Highway Comn. plans bridge over Etobicoke Creek, York Co. About $13,270. H. S. Van Scoyoc, Toronto, engr.

BIDS DESIRED

N. Y., New York—Until July 30, by M. M. Marks, boro. pres., building Park Ave. viaduct from 40th St. to Grand Central Station.

W. Va., Hamlin—Until Aug. 16, by County, building bridges over 2-Mile Creek and Upper 2-Mile Creek at West Hamlin; also 4 small bridges and culverts. J. M. Oliver, Huntington, engr.

O., Warren—(Official)—Until July 25, by Bd. Co. Comrs., for Huston Bridge on Rd. No. 101, Sect. "A," Newton Twp. M. H. Evans, clk. Noted June 21.

Ind., Brazil—Until Aug. 14, by Co. Comrs., for Brunswick Bridge over Eel River. About $35,000. A. Graeser, co. audr. Noted July 5.

Ill., Quincy—Until July 17, by Co. Comrs., for 12 bridges.

Mont., Virginia City—Until July 19 by State Highway Comn., for 1 130-ft. span combination highway bridge across Saline Spring Creek and 1 65-ft. combination highway bridge across Odell Creek, Madison Co. D. A. Noble, co. clk. C. C. Adams, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Metropolitan Park Comn. received low bids building bridge over Neponsit River between Boston and Quincy, from Bay State Dredging and Constr. Co., 247 Atlantic Ave., $360,000; Holbrook, Cabot & Rollins, 6 Beacon St., $381,074; Hugh Nawn Contr. Co., 82 Saven St., $427,000. Noted June 28.

★**O., Columbus**—(Official)—City let contract extension to Rich St. bridge to Capitol Constr. Co., Ruggery Bldg., $89,000. Noted June 28.

★**Wis., Superior**—Co. let contract installing culverts and grading on South Superior and Olive Rd. to M. Peterson, 1201 13th St., about $18,772. Noted June 14.

★**Ia., Eldora**—County let contract 2 bridges to Welden Constr. Co., about $14,114.

★**Wash., Montesano**—Co. Comrs. let contract 200-ft. span over Chehalis River to Tweeden & Mills, California Bldg., Tacoma, $12,587.

★**Wash., Seattle**—Co. Comrs. let contract 180-ft. steel bridge with 125-ft. approach to Monson Constr. Co., Portland, $34,829 Noted June 21.

REINFORCED CONCRETE

Proposed Work

Pa., Ardmore—Autocar Co. having plans prepared for 5-story rein.-con. and steel addition to plant here.

Pa., Phila.—De Long Hook & Eye Co. having plans prepared for 4-story, 80x250-ft. rein.-con. plant on 21st St. W. Steele & Sons Co., 1600 Arch St., archts.

Ala., Montgomery—Louisville & Nashville R.R. plans rein.-con. bridge on Bell St. About $20,000. W. H. Courtenay, Louisville, engr.

Ill., Chicago—Ohio Match Co., 35 North Dearborn St., plans 8-story, rein.-con. sprinkler building on Ohio St. Cost between $200,000 and $250,000.

Minn., Rochester—(Official)—City retained J. H. A. Brahtz, engr., Mankato, to prepare plans for concrete bridges.

Kan., Independence—Atchison, Topeka & Santa Fe Ry. (Eastern Lines) soon receives bids for rein.-con. viaduct. About $15,000. R. A. Rutledge, Topeka, ch. engr.

Neb., Omaha—Waterloo Creamery Co., 16th and Pierce Sts., soon lets contract 2-story, 50x140-ft., rein.-con. and steel creamery here. About $225,000. C. A. Berger, 811 Sykes Bldg., Minneapolis, archt.

Mont., Butte—City plans to build concrete sewage-disposal plant. W. C. Matthews, city engr.

Ark., Little Rock—Bd. Comrs. will build rein.-con. bridge over Arkansas River a site of present free bridge. About $450,000 M. Wright, chn. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo.

Wash., Bellingham—Council plans new concrete bridge over Whatsom Creek at Dupont and Prospect Sts. About $11,000. C Lindberg, city engr.

Ore., Portland—City and Oregon-Washington R.R. & Navigation Co. plan rein.-con. viaduct over tracks on East 33rd St. P. H. Dater, city engr. S. Murray, Portland, ch. engr. R.R.

Cal., Oceanside—Bd. Superv. will build concrete bridge over Santa Margarita River on state highway north Oceanside. About $40,000.

Ont., Weston—City having plans prepared by James, Loudon & Hertzberg, engrs., for rein.-con. intake crib, concrete dividing wall sedimentation basin and lining basin with concrete. J. H. Taylor, supt.

BIDS DESIRED

N. J., Somerville—Until July 27, by Bd. Freeholders, for concrete arch bridge on Chimney Rd. J. Dougherty, co. engr.

Pa., Phila.—(Official)—Until July 24, by W. S. Twining, dir. pub. serv., for Contract No. 526, concrete track floor, c.i. floor drains and rein.-con. slab footwalks from Callowhill St. to Indiana St., involving 15,630 lin.ft. structure, Contract No. 527, concrete track floor c.i. floor drains and rein.-con. slab footwalks from Indiana to Dyre Sts., involving 15,000 lin.ft. structure, Contract No. 528, alternate proposal, grouping Contracts Nos. 526 and 527. W. S. Twining, dir.

Pa., Sunbury—(Official)—Until July 30, by A. Raker, co. controller, building 2000-ft. rein.-con. inter-county bridge over Susquehanna River between Watsontown, Northcumberland Co. and White Deer, Union Co. Adv. in this issue.

Pa., Uniontown—Until Aug. 3, by H. Kisinger, co. controller, building rein.-con. bridge over Georges Creek, Fairchance Boro. and over Meadow Run, Ohiopyle Boro.

W. Va., Fairmont—Until July 20, by Bd. Affairs, building rein.-con. bridge over Coal Run. A. J. Kern, clk. Concrete-Steel Eng. Co., Park Row Bldg., New York City, engrs. Adv. in this issue.

Miss., Greenville—(Official)—Until Aug. 6, by Bd. Superv., for rein.-con. bridge over Granicus Bayou. Bids opened July 2 for steel structure rejected. J. S. Allen, co. engr. Noted June 21.

Ind., Marion—Until July 19, by Co. Comrs., for rein.-con. bridge over Mississinwa River. M. McRae, aud.

Ind., Sullivan—Until July 28, by Co. Comrs., for 5 rein.-con. bridges. F. M. Daniels, aud.

Ill., Danville—(Official)—Until July 17, by County building rein.-con. arch bridge, Sect. 6, Georgetown Twp. W. S. Dillon, co. supt. highways.

Ia., Waverly—See "Water-Works."

Minn., Owatonna—Until July 17, by County building rein.-con. state bridge No. 2703, 50-ft. span 18-ft. roadway. M. J. Parcher, aud.

Wash., Colfax—Until July 16, by Co. Comrs., building 2 span rein.-con. arch bridge over Union Flat Creek, near La Crosse. J. M. McCaw, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—(Official)—Sperry Gyroscope Co., Manhattan Bridge Plaza, let contract 11-story, 100 x 100-ft. rein.-con. factory, to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. Y., Schoharie**—(Official)—Town let contract rein.-con. arch bridge over Fox Creek to Fallkill Constr. Co., $13,650. Noted June 7.

★**Pa., Phila.**—Midvale Steel Co., c/o F. C. Yeates, purch. agt., Widener Bldg., let contract rein.-con. reservoir to Concrete Constr. Co., 1618 Thompson St., $15,000.

★**O., Cleveland**—Erie Dock Co., West 25th St., let contract steel and concrete shop buildings to King-Griffin Constr. Co., Engrs. Bldg., $50,000. Noted May 10.

Ind., Bedford—County received low bid concrete bridge from H. J. Dobson, Bedford, $20,300.

Reinforced Concrete (Continued)

★**Minn., Minneapolis**—N. B. La Blond, Security Bldg., let contract 4-story, 100x150-ft. rein.-con. warehouse, 241-251 1st Ave., N., to J. Leck & Co., 316 South 7th St. About $50,000.

★**Minn., Rochester**—City let contract concrete dam 60 ft. high and 1200-acre reservoir, to Omaha Bridge & Steel Structural Co., of Nebraska. About $650,000.

★**Tex., El Paso**—Y. M. C. A. let contract 3-story 70x90-ft. rein.-con. building to McGregor & Henger. About $70,000.

★**Tex., Galveston**—Bd. Co. Comrs. and railroads entering Galveston let contract reconstructing damaged portion of Galveston Causeway to Larkin & Sangster, Inc., Morgan Bldg., Buffalo. Cost about $1,725,000 which will be borne by county and railway companies. Work involves 2 concrete arch bridge extensions to be built at both ends of present structure. On mainland end there will be 28 new arches, on Island of Galveston end 51 arches making total of 72 arches each having span of 60 ft.

Ont., Toronto—Swift Canadian Co. let contract rein.-con. packing and cooling plant to Archibald & Holmes, Excelsior Life Bldg. About $125,000.

STREETS AND ROADS

Proposed Work

N. C., Asheville—Co. Comrs. and State Highway Comrs. passed resolution to build highway from Asheville to Knoxville.

N. Y., Syracuse—Bd. Superv. plans paving Watervale Rd., Pompey Twp.; also road improvements in Dewitt and Manlius Twps. H. A. Allen, co. engr.

N. Y., Syracuse—City plans to resurface portion South Ave. H. A. Allen, city engr.

N. J., Bayonne—City plans paving Prospect Ave. and West 39th St., asphalt. W. P. Lee, city clk., W. L. Clarkson, engr.

N. J., Cape May—Bd. Freeholders plans to rebuild 3400-mi. seashore road, bituminous concrete surface and 40,000 sq.yd. foundation. F. W. Fowkes, clk.

N. J., Jersey City—Bd. Freeholders soon receives bids improving portion Newark and Bergen Turnpikes, concrete base. W. J. Wasser, co. engr. Noted May 4.

N. J., Jersey City—Bd. Comrs. received no bids paving Germania Ave., Belgian block. G. A. Van Keuren, city engr. Noted June 28.

N. J., Jersey City—City received no bids improving Tonnell Ave., wood block. Will readvertise. C. A. Van Keuren, city engr.

N. J., Newark—Bd. Pub. Wks. approved paving Clinton Ave., granite block and asphalt, 6-in. concrete foundation; portion South 16th St., 10-in. telford. M. R. Sherrard, city engr.

N. J., Newark—Bd. Freeholders to sell $600,000 bonds July 24 to build and rebuild 9 highways and widen pavements. W. Cardwell, chn. Noted May 24.

N. J., Paterson—Bd. Freeholders plans to sell $251,000 bonds to improve roads. G. W. Botbyl, clk.

N. J., Paterson—City plans pave portion Dale Ave., granite block. H. J. Hardes, city engr.

N. J., Paterson—Bd. Works plans paving Lake, Godwin, Madison, Doremus, Temple, North 40th and Lyons Sts. and Belmont and Burhans Aves. H. J. Hardes, city engr. Noted June 28.

N. J., South Orange—See "Sewers."

N. J., White House Station—Bd. Freeholders plan to improve road from Whitehouse Sta. to Lebanon, amiesite.

Pa., Carbondale—(Official)—City sold $55,000 bonds to improve streets. H. G. Likely, clk.

Pa., Dubois—City plans to repave North Brady St., 6-in. course of concrete, 1-in. sand cushion and vitr. brick. J. Tulford, city engr.

Pa., Pittsburgh—Council passed ordinance to pave, grade and curb portions Chartiers and Upland Aves. About $60,000 and $14,000 respectively. R. Swann, city engr.

Va., Hampton—Co. Comrs. issued $50,000 bonds to improve roads. H. H. Holt, clk.

Va., Martinsburg—Bd. Supervs. plan to build highway from point on Smith River to Axton.

W. Va., Elmgrove—City plans election to vote on $32,000 bond issue for improving streets.

N. C., Salisbury—City sold $75,000 bonds to pave streets. W. H. Woodson, mayor.

Ga., Alma—County voted $60,000 bonds to build roads.

Fla., Dade City—County voted $10,000 bonds to build Natl. Highway in Special Rd. Dist. No. 4.

Fla., Ft. Pierce—County voted $80,000 bonds to build roads in Fellsmere Rd. Dist.

Fla., Kissimmee—County voted $100,000 bonds to build road from Kissimmee to Loughman, Dists. Nos. 1 and 2. Noted May 24.

Fla., Perry—City voted $75,000 bonds to pave streets.

Miss., Biloxi—City plans to spend between $30,000 to $40,000 to pave streets. J. V. Hagan, city engr.

Miss., Hernando—County voted $75,000 bonds to build link in Yazoo Delta Highway.

Miss., Vicksburg—City plans to lay concrete sidewalks on Main, 1st N, Washington, Farmer, Catherine, Dabney and Drummond Sts. C. R. Tuis, city enrg.

La., Edgard—County to sell $180,000 bonds, July 19, to build roads. W. Lasseigne, clk. Noted June 28.

Tenn., Knoxville—City Comrs. authorized $800,000 bond issue to improve streets. J. B. McCalls, city engr.

Tenn., Springfield—County voted $150,000 bonds to build roads. Noted May 24.

O., Bryan—City plans improving portions of Butler and Portland Sts. J. A. Nell, clk.

O., Canton—City plans to repave portion South Erie Ave. About $10,000. W. E. Sarver, city engr.

O., Cincinnati—Co. Comrs. plan to improve Clough Pike from Batavia Pike to Bogart Rd., concrete. About $30,300.

O., Cincinnati—See "Sewers."

O., Cleveland—City plans to issue $280,000 bonds to improve portion Clifton and Crawford Rds. Hough, Madison and St. Clair Aves., East 55th, East 71st, West 25th and other streets. R. Hoffman, city engr.

O., Columbus—City voted $25,000 bond issue for improving streets. Noted June 21.

O., Dayton—City approved plans for paving Norwood Ave. F. O. Tichelberger, city engr.

O., Lakewood—City to sell $24,760 bonds, July 23, to improve portion Merle and Jackson Sts. E. A. Fisher, city engr.

O., Massillon—City plans to pave portion South Erie St. H. McYost, city engr. About $10,000.

O., Port Clinton—County to sell $104,000 bonds. July 23, for constructing roads.

O., Ravenna—County to sell $30,000 bonds, July 30, for improving I. C. H. No. 18, Edinburg Twp. M. J. Kelley, co. aud.

O., Willoughby—County to sell $36,000 bonds, July 21, to improve portion Lost Nation-Plains Rd., Willoughby Twp. C. C. Jenkins, clk.

Ind., Gary—City plans to pave 10 mi. of 5th Ave., concrete. W. J. Fulton, city engr.

Ind., Greenfield—(Official)—County soon receives bids building Alonzo Tyner et al. Rd., sand cushion brick. About $68,000.

Ind., Wabash—County sold $10,000 bonds to improve roads.

Mich., Lansing—City voted to issue $75,500 bonds to pave streets. E. Eddy, city engr.

Ill., Belleville—County soon lets contract improving roads. About $400,000. D. O. Thomas, supt. highways.

Ill., Springfield—City plans repaving Monroe St. W. D Seeley, city engr.

Wis., Green Bay—City plans asphalt pavement on portion South Bway. and rein.-con. pavement in 10th St. to approaches to Mason St. Bridge. F. A. Torkelson, engr.

Wis., Superior—City plans paving with concrete portions of Brick Ave. E. B. Banks, city engr.

Ia., Manchester—County plans 15-mi. gravel road. About $75,000.

Ia., Primghar—See "Sewers."

Arkansas—State Highway Comn., Little Rock, plans concrete roads with asphalt surface to Ft. Roots and new army cantonment. About $125,000.

Ark., Heber Springs—County plans 16-mi. highway. About $48,000.

Ark., Pine Bluff—County plans to extend Dollarway Pike now running from Pine Bluff to Pulaski into Little Rock, about 25 mi. H. I. Engtrom, co. engr. Lund & Bell, 527 Southern Trust Bldg., cons. engrs.

Tex., Angleton—Attorney General approved $20,000 bond issue to build roads in Brazoria Co., Rd. Dist. No. 10.

Tex., Houston Heights—City election July 28 to vote on $150,000 bonds to pave streets. C. E. Butzer, clk.

Tex., Linden—County voted $40,000 bonds to build roads.

Tex., Pittsburg—County voted $30,000 bonds to build roads in Nales and Omaha Rd. Dists.

Tex., Vernon—City plans to pave portion West Wilbarger, West Paradise, South Main, East Wilbarger, West Pease, West and East Texas and other streets. About $80,000.

Okla., Ada—County election July 21 to vote on $650,000 bonds to build hard surfaced roads. I. R. Gilmore, comr. Noted May 10.

Okla., Hewitt—Town voted $70,000 bonds to improve and build roads. Noted June 7.

Okla., Poteau—County voted $30,000 bonds to build roads and bridges in Heavener Twp.

Okla., Sayre—County voted $15,000 bonds to build roads, Rd. Dist. No. 3.

Okla., Tishomingo—Co. Comrs. adopted resolution to issue $28,500 bonds to build roads in Garrett Twp., and $14,000 for Hains Twp.

Okla., Wellston—County voted $16,000 bonds to build roads.

Idaho, Grangeville—Grangeville Highway Dist. voted $35,000 bonds to build roads. Noted June 21.

Utah, Logan—City plans to pave portion Main St. About $64,000. State to appropriate $15,000 toward cost.

Utah, Ogden—City had plans prepared for paving South Washington Ave. About $35,000. J. M. Tracey, city engr.

Wash., Seattle—County had plans prepared paving 5 mi. permanent Highway No. 11-B from Auburn to Enumclaw., 1 course concrete, 20-ft. wide. S. Humes, co. engr.

Wash., Seattle—Bd. Pub. Wks. approved plans to pave and install sewers in 43rd Ave. N. E. A. H. Dimack, city engr.

Wash., Seattle—City had plans prepared for paving 15th Ave. N. W. bridge approach, asphaltic concrete. A. H. Dimock, city engr.

Ore., Salem—State Highway Comn. has authorized road work in Oregon to amount of $1,073,000. The commission has available for appropriation this year $1,866,000; of this, $1,000,000 is available from $6,000,000 bond issue. The Government has approved of all commission's applications for forest road money expenditures. The sum of $880,000 was appropriated by commission for Pacific and Columbia River Highways. Appropriations made were: Pacific Highway, Douglas and Josephine Cos., $380,000; Columbia River Highway, The Dalles to Astoria, grading, $500,000; Ft Rock to Lakeview, $15,000; Bend to La Pine $17,000; Sherman Co., macadamizing, $15,000; Wasco Co., graveling $10,000; Wasco Co.'s money to match forest fund, $135,000.

On Pacific Highway, the money to be used consists of $75,000 from Government, $75,000 from State, and $200,000 of Douglas Co. bond money, to be expended under direction of commission; with $25,000 alloted for next year. For Columbia River Highway, the Commission set aside $500,000, to take care of grading from The Dalles to Astoria. It is expected that the hard surface mileage allowed will be completed this year, owing to weather conditions. It will be a month before bids can be advertised for and contracts let.

Cal., Lemoore—City rejected bids improving streets and installing electrolier lighting system. New Bids. About $140,000.

Cal., Los Angeles—Council adopted ordinance to improve Wall and Soto Sts. H. Hamlin, city engr.

Cal., Tulare—Council passed resolution to pave 3½ mi. streets. About $35,000. G. F. Leckner, clk. Noted Apr. 26.

Ont., Amherstburg—Town soon receives bids paving Apsley and Sandwich Sts., rein.-con. A. Newman, Fleming Blk., Windsor, engr.

Ont., Aylmer—Town plans to lay cement sidewalks on Warren St. D. A. Davis, clk.

Streets and Roads (Continued)

Ont., **New Hamburg**—Council plans to pave streets, concrete. About $16,000. H. C. Edgar, clk.

B. C., **Victoria**—Council plans to resurface and grade Oak Bay Ave. About $50,000.

BIDS DESIRED

N. J., **Elizabeth**—Until July 16, by County, repairing portion Terrill Rd., involving 1248 tons bituminous concrete, 306 lin.ft. trench underdrain, grading 9359 lin.ft. gutter and shoulders. J. L. Bauer, co. engr.

N. J., **Hightstown**—Until July 14, by Boro. Council, for laying 1500 lin.ft. cement curb and 6000-ft. gutter. J. W. Perrine, clk.

N. J., **Jersey City**—Until July 17, by City Comrs. paving portion Hopkins Ave., belgian block, Siedler St., asphalt. About $30,000. C. A. Van Keuren, city engr.

N. J., **Princeton**—Until July 17, by Boro. Council, rebuilding 11,273 sq.yd. Stockton St., warrenite surface, 6-in. concrete foundation. V. B. Cook, clk.

N. J., **Somerville**—Until July 27, by Bd. Freeholders, improving 2.838 mi. Belle Mead-Griggstown Rd., macadam. J. Dougherty, engr.

N. J., **Union**—Until July 16, by Bd. Council, paving New York Ave., block, new bluestone curb also repaving Gardner St., bituminous concrete, 5-in. concrete foundation. About $30,000. E. Bautz, clk.

N. J., **West Orange**—Until July 17, by Town Council, grading and paving Amos St., asphalt. G. W. Foster, clk.

N. J., **Westfield**—Until July 16, by Town Council for improving New York Ave., 2600 lin.ft. concrete curb, 5200 sq.yd. 6-in. macadam; culverts and sewer inlets. C. Clark, clk.

Pennsylvania—Until July 24 by State Highway Comn., Harrisburg, paving 9300 lin.ft. road, Moon and Hopewell Twps., vitr. block and waterbound macadam; grading and draining 20,109 ft. road Summit Twp., completing 9,299 lin.ft. Monaca-Aliquippa Rd., vitr. block and waterbound macadam. F. H. Black, state highway engr.

Pa., **Pottstown**—(Official)—Until July 24, by City Council paving portion North and South Centre St., wood block, vitr. brick or concrete. J. H. Strauch, city engr., advertised in this issue.

Md., **Baltimore**—(Official)—Until July 17, by State Rds. Comn., 601 Garrett Bldg., building section state highway. F. A. Zouck, chn.; advertised in this issue.

Md., **Hagerstown**—(Official)—Until July 21 by Sewerage Comn., installing mains and lateral sewers various streets. E. E. Heard, secy.; advertised in this issue.

Va., **Richmond**—Until July 14, by State Highway Dept., for reconstructing gravel road, about 1¼ mi. long. G. P. Coleman, comr.

W. Va., **Hamlin**—Until Aug. 16, by A. F. Black, co. clk., for 6 mi. of roads. Noted June 7.

W. Va., **Williamson**—Until Aug. 4 by County building and improving 35 mi. earth road. E. Boggs, clk. Noted May 24.

S. C., **McCormick**—(Official)—Until July 19, by Co. Comn., grading and building drainage structures on 70 mi. highways. J. J. Dorn, chn. M. E. Worrell, co. highway engr.

Ky., **Henderson**—(Official)—Until July 17, by J. G. Adams, clk., concrete curb and gutter on portions of Alves, Madison, Dixon and 2nd Sts.

O., **Ashland**—Until July 26, by City, for improving and paving portions of Virginia Ave. R. R. Conn, city engr. Noted June 7.

O., **Cincinnati**—Until July 20 by County improving portion Cin-Hamilton I. C. H. No. 39, Springfield Twp., under Spec. No. 1057. F. E. Wesselman, clk.

O., **Medina**—(Official)—Until July 14, by Council, for improving West Main St., 3-in. bituminous macadam. F. C. Randall, engr.

O., **Springfield**—Until July 16, by C. E. Ashburger, city mgr., improving and paving portion Sherman St.

O., **Toledo**—Until July 17, by City, improving and paving portions of 19 different streets; constructing sewer in Main Sewer Dist. No. 23. D. H. Goodwillie, dir. pub. serv.

O., **Zanesville**—Until July 18, by Co. Comrs. paving 10 mi. Adamson Rd. Improv. from end of State-Aid improvement to south corporation line of Adamsville. F. C. Werner, clk.

Indiana—By Co. Comrs. for building roads as follows:

July 23: Terra Houte; road, Harrison Twp. T. Ferguson, aud.

July 25: Warsaw; gravel road, Plain Twp. V. D. Mock(aud.

Aug. 7: Salem; road in Posey and Washington and Madison Twps. E. E. Batt, aud.

Ill., **Grayville**—(Official)—Until July 16, by P. R. Blood, engr., for 15,813 sq.yd. brick paving, 25,483 sq.yd. tar macadam paving, 30,107 ft. curb and gutter and 7918-ft. storm sewers.

Ia., **Davenport**—Until July 18, by Bd. Local Improv. paving portion of 2nd and other streets. About $50,000. R. E. Sawistowsky, city engr.

Ark., **Pine Bluff**—Until July 16, by Comrs. Rd. Improvement Dist. No. 21, building 5 mi. gravel road, bituminous carpet cover. W. T. Simpson, comr.

Tex., **Victoria**—Until July 16, by C. A. Wertheimer, city secy., for paving 8 streets, asphaltic concrete, bitulithic, sheet asphalt, Uvalde rock asphalt, vertical fiber brick, portland cement concrete and 2 course concrete pavement. J. A. Block, engr.

Wash., **Seattle**—Until July 17, by Co. Comrs., grading and graveling 2½-mi. permanent highway No. 2-F. About $50,000.

Wash., **Spokane**—Until July 29, by Co. Comrs., paving 2.65 mi. permanent highway No. 7-D, 1 course concrete, asphaltic concrete on cement concrete base, asphaltic concrete, bituminous base, warrenite, bituminous base. About $50,000.

Wash., **Walla Walla**—Until July 20, by Co. Comrs. building Permanent Highway No. 17. G. Cookerly, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Maine—(Official)—State Highway Comn., Augusta, received low bids (a) gravel surfacing 6.16 mi. road, Pittsfield Twp., (b) 6.05 mi. bituminous macadam road, Bowdoinham Sect., (c) gravel surfacing 1.06 mi. Edgecomb Twp., (d) gravel surfacing 2.85 mi. Newcastle Twp. from D. Susi, Pittsfield, (a) $49,484; Noyes & Campbell Co., 191 Water St., Augusta, (a) $64,372, (c) $9866, (d) $27,147; W. M. Fellows, Farmington, (a) $65,376; A. D. Bridges, Hazardville, Conn., (b) $90,686; H. A. Day, Bangor, (c) $8,297; J. Arborio, 36 Ward St., Hartford, (c) $10,111, (d) $25,602.

★**Mass., Boston**—City let contract paving Turner, Parkland, South, North Beacon, Brighton Sts., and Waldo Terrace to Coleman Bros., Pearl St., Chelsea, $75,063.

Mass., Dorchester—City received low bid paving Nevada St., and Wilmington Ave., sheet asphalt or bitulithic, from Central Constr. Co., 228 Southampton St., Roxbury, $10,785.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., received bids improving highways in various counties as follows: Repair Contract No. 1130, Rd. No. 193, Albany Co., Kennedy Constr. Co., Albany, $40,908; Repair Contract No. 1112, Rd. No. 508, Albany Co., H. Miller, Albany, $34,266; Kennedy Contr. Co., Albany, $35,-975; Repair Contract No. 1129, Rd. No. 5022, Broome Co., J. Walker, Albany, $33,-362, Edgecomb Bros., Inc., Binghamton, $33,506; Repair Contract No. 1124, Rd. No. 126, Broome Co., J. Walker, Albany, $21,-588, T. L. Ryan, Binghamton, $21,667, Edgecomb Bros., Inc., Binghamton, $22,230; Repair Contract No. 1126, Rd. No. 601, Cattaraugus Co., no proposals received; Repair Contract No. 1132, Rd. No. 698, Chautauqua Co., no proposals received; Repair Contract No. 1117, Rds. Nos. 5072 and 5073, Columbia Co., S. Beskin, Beacon, $54,424; Repair Contract No. 1120, Rd. No. 584, Erie Co., R. Hopkins, Troy, $24,740; Repair Contract No. 1046, Rd. No. 744, Essex Co., The Lane Construction Co., Meriden, Conn., $29,863, W. L. Lawton, Glens Falls, N. Y., $30,592; Repair Contract No. 1068, Rds. Nos. 460, 461, 463, 465, 466, 471, 830, 5466 and 5524, Herkimer Co., Pathfinder Constr. Co., Fulton, $20,649, Defiance Corp., Ticonderoga, $20,649, H. W. Fearl, Potsdam, $20,823, Newport Constr. Co., Herkimer, $21,120; Repair Contract No. 1090, Rd. No. 238, Jefferson Co., A. F. McConville, Ogdensburg, $29,100, T. O'Brien, Watertown, $31,945; Repair Contract No. 1125, Rd. No. 5302, Livingston Co., H. W. Roberts Co., Utica, $19,740; Repair Contract No. 1122, Rd. No. 9100, Livingston Co., Greenfield Constr. Co., Hornell, $9936, McCarthy & Wall, Mt. Morris, $10,021, F. T. Murray, Rochester, $10,200, Repair Contract No. 1121, Rd. No. 253, Monroe Co., Whitmore-Rauber & Vicinius, Rochester, $20,939, Ribstein-Holter Co., Rochester, $22,260, T. Holerhan, Rochester, $22,938; Repair Contract No. 1123, Rd. No. 5406, Oneida Co., Griffin & Griffin, Norwich, $1199, Repair Contract No. 1131, Road No. 438, Oneida Co., H. W. Roberts Co., Utica, $44,946, Repair Contract No. 1089, Rd. No. 5576, Ontario Co., P. H. Murray, Rochester, $40,896, Dale Engineering Co., Utica, $43,-730, Repair Contract No. 1118, Rd. No. 65, Orange Co., Schunnemunk Cons. Co., Highland Mills, $35,015; Repair Contract No. 1128, Rd. No. 450, Oswego Co., Kennedy Cons. Co., Albany, $15,394.; Repair Contract No. 1045, Rd. No. 5205, Saratoga Co., R. Hopkins, Troy, $37,890; Repair Contract No. 1034, Rd. No. 5282, Seneca Co., D. W. Robbins, Inc., New York City, $9403, General Cross Stone Co., Easton, Pa., $9453, Pathfinder Constr. Co., Fulton, $9495, Kennedy Constr. Co., Albany, $10,220; Repair Contract No. 1133, Rd. No. 906, Steuben Co., Greenfield Constr. Co., Hornell, $24,-582, Kennedy Constr. Co., Albany, $24,675; Repair Contract No. 1018, Rds. Nos. 85, 720, 720-A, 1080, 1224, Washington Co., H. W. Fearl, Potsdam, $3945, D. H. Noonan & Son, Saratoga Spgs., $4359; Broken Stone Contract No. 74, Highway No. 1038, Erie Co., W. K. Frank, Buffalo, $10,263, S. K. Johnson, Norwich, $10,863, C. E. Wells, Savannah, $10,890, R. Hopkins, Troy, $11,-447, G. W. Moore, Buffalo, $11,551, G. C. Hill, Fulton, $11,677.

★**N. Y., Fredonia**—City let contract paving Orchard St. to Dunkirk Constr. Co., 112 Eagle St., Dunkirk.

★**N. Y., Niagara Falls**—City let contract paving portion 20th St., conneaut block, to Pub. Ser. Contr. Co., E. & H. Bldg., $32,080.

★**N. Y., Norwich**—City let contract paving 2900 ft. streets, concrete, to Paddleford & King, $11,423.

★**N. Y., Rochester**—Bd. Contract and Supply let contract laying sidewalks on Clinton Ave. to J. Petrossi Co., $9906; asphalt pavements Ethel St. and Woodbine Ave., Whitmore, Rauber & Vicinus, 279 South Ave., $4085 and $7517 respectively.

N. Y., Rochester—City received low bids paving Genesee Blvd. from Whitmore, Rauber & Vicinus, 279 South Ave., $104,-406; Rochester Vulcanite Co., Exchange Pl. Bldg., $106,000; F. V. Brotsch Co., E. & B. Bldg., $112,000.

★**N. Y., Troy**—City let contract paving, grading and curbing portion Lake Ave. to J. Davitt, Troy, $18,000.

★**N. J., Camden**—Bd. Freeholders let contract resurfacing Browning Rd. from Marlton and Blackwood Pike to Manwaring & Cummings, 26 East Church Lane and J. E. Shanley Co., Commercial Trust Bldg., both of Phila. About $18,000. Noted May 31.

★**N. J., Lamington**—Bd. Freeholders, Somerville, let contract building road from Lamington to New Germantown, macadam, to M. I. Demarest, Sewaren.

★**N. J., Morristown**—Bd. Freeholders let contract rebuilding Madison Ave. to Gary Constr. Co., Morristown, $27,635. Noted June 28.

★**N. J., Newton**—County let contract paving Spring St., concrete, to Sothman Corp., Newton, $12,000.

★**N. J., Orange**—(Official)—Bd. Freeholders, Newark, let contract paving Central Ave., involving 26,000 sq.yd. "Hastings" asphalt blocks to Hastings Pavt. Co., 25 Broad St., New York City, $78,965.

★**N. J., Orange**—Town let contract improving Harvard Terrace, involving 2973 sq.yd. asphalt bound macadam, $1.06 per sq.yd., 7144 sq.ft. cement sidewalks, 17c., 1806 lin.ft. concrete curb, 58c., 4156 cu.yd. excavation, 84c., to J. F. Chapman, Newark.

★**N. J., Trenton**—City let contract laying sidewalks, curbs and 25,889 sq.yd. liquid asphalt paving to C. A. Reed & Co., 623 Monmouth St.

★**Pa., Cannonsburg**—Boro. let contract paving, grading and curbing Smithfield Ave. to Hardy & Rankin, $60,000.

★**Pa., Charleroi**—Boro. let contract paving, grading and curbing streets to Hastings & Piper, $11,076.

★**Pa., Dormont**—City let contract paving La Salle Ave., to D. Carpellicci, 130 Main St., Carrick.

★**Pa., Edwardsville**—City let contract paving Grove St., vitr. brick, to Bank Constr. Co., Bennett Bldg., Wilkes-Barre, $21,000.

Streets and Roads (Continued)

★**Pa., Newport** — (Official) — Town let contract paving 11,500 sq.yd. with "Hastings" asphalt blocks in villages of Alden, Wanamie and Glen Lyon to C. Rees, Nantlcoke, $60,000.

★**Pa., Parnassus**—Boro. let contract paving 3800 sq.yd. brick, 2800 lin.ft. concrete curb and gutter, 600 lin.ft. concrete sidewalk to L. H. Hileman, New Kensington, $20,000.

★**Pa., Phila.**—City let contract building parkway from Broad to 16th St. and 1½ mi. extension to North East Blvd. to McNichol Paving and Constr. Co., 1923 Cherry St., $88,824 and $326,500 respectively.

★**Pa., Phila.**—City let contract paving Delaware Ave. to McNichol Paving & Contr. Co., 1923 Cherry St. About $194,000. Noted July 5.

★**Pa., Pittsburgh**—Co. Comn. let contract asphaltic-concrete and rein.-con. roads as follows: T. Cronin Co., South 17th St., Bellevue Rd., $44,703, Washington Pike No. 1, $21,744, Troy Hill Rd., $49,743; Columbus Asphalt Paving Co., Pittsburgh, Broughton and Cochrans Mills Rd., $23,350, Bedver Grade Rd., $55,744, Steubenville Pike extension, $52,467, Steubenville Pike and Enlow, Cliff mines, $36,790, Broughton and Library connecting Rd., $44,370, McKees Rocks Rd., $28,949, Booth & Flynn, 1942 Forbes St., Logans Ferry Rd., $27,843 Library Rd., $32,511, Library extension Rd., $118,137; Pittsburgh Amiesite Co., Jenkins Bldg., Lovedale Rd., $63,284; G. B. White Co., Jenkins Bldg., Long Run Rd., $57,525.

★**W. Va., Fairmont**—County let contract 23 mi. paving to Flood & Vanwert, Hudson Falls, N. Y., 9 mi. to T. S. Rhodes & Son., McKeesport, Pa. Noted Apr. 12.

★**Miss., New Augusta**—City let contract 3 public highways to Dabbs & Myers, Meridian. About $200,000. Noted May 31.

★**La., Lake Charles**—County let contract paving 2 sections roadways to Ritchie Bros., Topeka, $35,000.

★**Tenn., Fayette**—(Official)—City let contract paving 12,000 sq.yd. and installing pipe sewers, etc., in Court Sq. to Leftwich & Co., Nashville. Noted June 21.

★**Ky., Henderson** — (Official) — city let contract improving State Aid Road No. 51-2 to T. H. Bennett Co., Mt. Vernon, Ind., $20,135.

★**Ky., Paducah** — County let contract building 21 mi. roads to R. L. Figg Co., Louisville, $111,089.

Ohio—State Highway Comn., Columbus, received low bids June 27 building roads in various counties as follows:

Belmont Co., Sect. "C" Natl. Rd., Village of Morristown, Union Twp.; grading roadway and paving with brick, 1.13 mi., S. A. Palmer, Marietta, tie with C. E. Wilson & Sons, Barnesville, $37,456; W. M. Miller & Fritz Relino, St. Clairsville, $37,887; Champaign Co., Sect. "Q" Urbana-West Jefferson Rd., Goshen Twp., 0.26 mi., O'Brien & Gregg, Marysville, rein.-con., $11,291, Rennick & Smith, London, brick, $13,236, monolithic brick, $11,767, rein.-con., $11,368; Hancock Co., Sect. "F," Findlay-Kenton Rd., Eagle, Liberty, Jackson and Marion Twps., constructing bridges and culverts, grading and paving roadway: 1.98 mi., Gluss Bros., Hamler, rein. con., $39,755, brick on concrete foundation, $55,784, Johnson Constr. Co., Chicago, asphaltic concrete, $48,760; Hancock Co., Sect. "H-1" Findlay-Sandusky Rd., Biglick Twp., paving with 2-course waterbound macadam; 1.07 mi., Cole Bros. & Dorsey, Van Lue, $9174; W. G. Mustard, Ada, $9461, Souder & Peters, Fostoria, $9900; Hocking Co., Sect. A-1, Logan-McArthur Rd., Falls Twp., constructing bridges and culverts, grading roadway and paving with waterbound and bituminous macadam, 1.46 mi., Wrightsel & Long, Logan, $24,603; Holmes Co., Sect. "H," Mansfield-Millersburg Rd., Monroe Twp., constructing culverts and grading roadway, 1.99 mi., W. H. Miller & R. Rothrock, Ada, $13,155, Lee, Griggs & Anderson, Millersburg, $13,666, R. C. Rousch, Canton, O., $13,875; Perry Co., Sect. "O1," Logan-New Lexington Rd., Coal Twp., constructing drainage structures, grading roadway and paving with brick on concrete foundation, 0.49 mi., Houston & Henderson, Logan, $15,650; Preble Co., Sect. "B," Eaton-Greenville Rd., Monroe Twp., grading and paving with bituminous macadam and constructing bridges and culverts, 1 mi., Hamilton & Bunger, Eldorado, $10,135; Ross Co., Sect. "D," Dayton-Chillicothe Rd., Concord Twp., constructing culverts, grading roadway and paving with brick; 0.87 mi., O. M. Junk, Chillicothe, $34,243, Brewer, Tomlinson & Brewer, Chillicothe, $34,841; Shelby Co., Sect. "A1," Urbana-Sidney Rd., Clinton and Perry Twps., constructing bridges and culverts, grading roadway and paving with bituminous macadam, 1.36 mi., W. G. Mustard, Ada, $19,727, J. C. McCann & Son, Columbus, $19,985, Putnam & Shindledecker, Van Wert, $20,107.

★**O., Cleveland**—City let contract paving portion of Madison Ave., to Freshwater Constr. Co., 9703 Madison Ave., $30,375; University Rd., Roehl Bros., Lorain and West 25th Sts., $9317; Harris Ave., A. M. Pejea Paving Co., 2359 East 23rd St., $7699. Noted June 14.

O., East Liverpool—City received low bids paving Pennsylvania and Harvey Aves. and Elizabeth St. from Rinehart Bros., 7th St., $90,504; J. H. Maxwell, Farmers Bank Bldg., Pittsburg, $96,672. Noted June 28.

★**O., Greenville**—City let contract paving Washington Ave. and Vine St. to J. Mannix, Greenfield; Sweitzer St. to McHugh Bros., Springfield.

★**O., Lisbon**—Co. Comrs. let contract building 7 mi. Lincoln Highway, Madison Twp., to Campbell Bros., Stambaugh Bldg., Youngstown, $57,420.

★**O., Napoleon**—County let contract improving 6½ mi. Frieda Lange joint county road to J. A. Westrick, Holgate. About $64,688. Noted July 5.

★**Ind., Bloomington**—Co. Comrs. let contract building George Hanna Pike, Richland Twp., to L. C. McDaniels, $6410; J. R. McDaniel Pike, Bloomington Twp. to C. E. Danner, $10,058.

★**Ind., Ft. Wayne**—Bd. Pub. Wks. let contract paving portions of Eastbrook Dr., Terrace and Oak Ridge Rd., State Blvd., Neva Ave. and Brook St. to Grace Constr. Co., 702 Winter St.

Ind., Greenfield—(Official)—Co. Comrs. let contract building C. P. T. Merrill Rd., Vernon Twp., to E. McMahon, Fortville, $11,482; L. J. Weber Rd., O. Richey, Greenfield, $13,463; Van B. Cones Rd., Sugar Creek Twp., to E. Gant, Greenfield, $19,000.

★**Ind., Hartford City**—Co. Comrs. let contract building Cherry St. Rd. to P. Clamme, $35,000.

★**Ind., Monticello**—Co. Comrs. let contract building Hepp Rd., Liberty Twp., Matthew Rd., Princeton and West Point Twps. to Spencer & Unroe, $5990 and $15,970 respectively.

★**Ind., Rensselaer**—Co. Comrs. let contract building 3 roads to H. E. Gifford, Rensselaer, 2 roads to Johnson & Sabrin, Medaryville. Noted June 28.

★**Ind., Rushville**—Co. Comrs. let contract building T. L. Beher Rd., Jackson Twp., and Robert Holy Rd., Center and Jackson Twps., to Ohio Constr. Co., $9995 and $15,195 respectively.

★**Ind., Williamsport**—(Official)—City let contract William Felix Free Gravel Rd. to C. L. Irwin & Co., Attica, $14,500.

★**Mich., Jackson**—City let contract paving streets, brick, to W. Ryan, Lansing, asphalt, to Brooks Constr. Co., 2401 Miner St., Ft. Wayne. Total cost, $277,298.

★**Illinois**—State Highway Comn., Springfield, let contract building roads as follows: Sect. F, De Kalb Co., to Pub. Ser. Constr. Co., Krug Theater Bldg., Omaha, $8706; Sects. D, E, F and G, Jackson Co., Bland & Ferguson, Cairo, $11,968, $5633, $5930 and $4442 respectively; Sect. D, Grundy Co., Booth, Nicholson & Gilchrist, Gardner, $14,110. Noted May 4.

★**Ill., Mt. Vernon**—Town let contract building 8 mi. hard roads, novaculite, to Hoffman-Townsend & Co., Mt. Carmel, $35,972.

★**Wis., Menash**—City let contract paving Walnut St., concrete, to J. Schneider.

★**Minn., International Falls**—City let contract paving 5th and 7th Sts. to Gustafson & Johnson. About $10,564.

★**Minn., Minneapolis**—County let contract grading and surfacing 28,186 lin.ft. Minnetonka and Eden Prairie Twps.; to J. J. & M. S. Mergens, Deephaven. About $22,819.

★**Kan., Junction City**—County let contract building Junction City to Ft. Riley Highway to Malley & Kelley, Kansas City, Kan., 70.7c. per sq.yd.

★**Neb., Red Cloud**—(Official)—City let contract paving 15,000 sq.yd. and [illegible] lin.ft. curb and gutter to Abel Constr. Co., Lincoln, $2.58 per sq.yd. and 79c. per [illegible] ft. respectively. Noted June 21.

★**Mo., Kansas City**—City let contract [illegible] combined concrete paving and curbing on East 62nd St. to Wilcox Contr. Co., 702 Dwight Bldg., $1.475 and 24.5c. respectively; ¾ mi. on Paseo to J. E. Welsh, 1122 East Gillham Rd., $1.49.

★**Ark., Jonesboro**—City let contract paving 15 mi. streets to Kaw Paving Co., Topeka, $300,000.

★**Tex., Dallas**—(Official)—City let contract paving 57,848 sq.yd. on Jefferson Ave., bitulithic, to Texas Bitulithic Co., Pastoriza Bldg., $1.65 per sq.yd. Noted May 24.

★**Washington** — State Highway Comm., Olympia, let contract building 3½ mi. Pacific Highway to Independent Asphalt Paving Co., Northern Bank Bldg., Seattle, $62,581. Noted June 21.

★**Wash., Bellingham**—City let contract paving portion G St., asphalt, to K. Sauset, 711 Caroline St., $10,000.

★**Wash., Seattle**—(Official)—Co. Comrs. let contract paving Houghton-Bellevue Rd. to J. L. Smith, Seattle, $96,000. Noted May 24.

★**Wash., Seattle**—Co. Comrs. let contract paving Duwamish-Renton Junction Highway to Independent Asphalt Paving Co., Northern Bank Bldg., $71,296.

Wash., Seattle—Bd. Pub. Wks. received low bids paving 40th Ave. et al. and 50th Ave., S., from Superior Constr. Co., 1642 Lane St., $13,143 and $10,427, respectively.

★**Wash., Seattle**—City let contract laying concrete sidewalks on Greenwood Ave. et al. to E. L. Macquaid, Seattle, $22,386. Noted July 5.

★**Ore., Warrenton**—(Official)—Co. Comrs., Astoria, let contract constructing Co. Rds. No. 17 and 57 through this city to Montague M. O'Reilley Co., McFall Bldg., Portland, $16,236. Noted June 21.

★**Cal., Daly City**—City let contract paving streets, sidewalks, and installing sewers to J. G. Harney, Pacific Electric Bldg., San Francisco, $95,506.

★**Cal., Los Angeles**—City let contract grading and oiling streets, to R. C. Lowell. About $15,750.

★**Cal., Los Angeles**—City let contract improving Bonnie Brae St. to Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg. About $10,756.

★**Cal., Manhattan Beach**—Bd. Trustees let contract improving 21st and 23rd Sts., Blanche Rd., West Railroad Dr., Granview Ave. and 15 alleys to R. H. Beaton, 623 Beacon St., San Pedro, $54,569.

Cal., San Diego—City received low bids paving portion Walnut, Albatross, Upas, Brant, Thorn and Curlow Sts., involving 125,118 sq.ft. concrete and asphalt pavement and 742 lin.ft. curb, etc., from Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, 14c. and 35c., respectively.

★**Cal., San Diego**—City let contract paving Arguello and Hickory Sts., and Arden Way, involving 54,754 sq.ft. paving and 178 lin.ft. curbing to Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, 13 7/10c. and 35c., respectively.

Cal., Stockton—City received low bids paving streets, Villa Addition, from Federal Constr. Co., Call Bldg., San Francisco, $44,182; Paul & Caldwell, Stockton, $49,285; Clark & Henery Constr. Co. Ochsner Bldg., Sacramento, $49,847.

★**Cal., Upland**—City let contract improving Mountain Ave., paving on 4 in. concrete base with asphalt wearing surface, to W. C. Cline. Noted June 14.

★**Ont., St. Thomas**—City let contract building cement sidewalks during year to A. E. Ponsford & Co., 605 Talbot St.

★**Ont., Windsor**—City let contract paving Victoria, Ellis, Bruce and Church Sts., to C. W. Caldwell Sand and Gravel Co., 84 Sandwich St., $44,329; Montmorenci, Marenteete and Elsemere Sts. to Merlo, Merlo & Ray, 116 Windermere Rd., Walkerville, $16,900.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Maryland—Baltimore & Ohio and Pennsylvania railroads will each spend about $150,000 for new tracks to reach proposed

Railways—Steam and Electric (Continued)

army cantonments, near Annapolis Jct.; also to connect with Washington, Baltimore & Annapolis Ry., which runs through camp site. H. Lane, Baltimore, ch. engr., former loc. and A. C. Shand, Broad St. Sta., Phila., ch. engr. latter.

North Carolina—Atlantic & Western Ry. plans extension from Lillington to Swansboro, about 100 mi. H. P. Edwards, Sanford, gen. mgr. and purch. agt.

Georgia—Western & Atlantic R.R. plans branch line from Graysville to Ft. Oglethorp, right-of-way now being secured. J. A. Baldwin, Atlanta, supt.

Tennessee—Illinois Central R.R. plans new line from Nashville to Chattanooga, through Rutherford, Cannon, Warren, Grundy and Marion Cos. A. S. Baldwin, Chicago, ch. engr.

Ohio—Hillsboro, Cynthiana, Bainbridge & Chillicothe Traction Co. will issue $400,000 bonds, proceeds to be used to construct line from Hillsboro to Chillicothe. J. C. Anderson, Chillicothe, secy.

Arkansas—Missouri Pacific R.R. will build 4 mi. spur from Dalhoff to army cantonment north of Argenta. E. A. Hadley, St. Louis, ch. engr.

Utah—Denver & Rio Grande R.R. plans to extend Park City branch to Ft. Douglas to take care of increased freight demands. About $150,000. C. A. Blake, Salt Lake City, div. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maryland**—Baltimore & Ohio R.R. let contract branch line from Baltimore to Sparrows Point, about 8 mi., to H. S. Kerbaugh, Inc., Munsey Bldg., Baltimore. Noted Apr. 5.

★**Michigan**—(Official)—Pennsylvania-Detroit R.R. let contract 90 mi. track inbound and classification yards on western outskirts of Detroit to W. S. Newkall Co., 60 Lafayette Blvd., Detroit.

★**Kansas**—Miami Mineral Belt R.R. let contract line from Quapaw, Okla., to Baxter Springs, Kan., about 12 mi., with 8 mi. sidings, to Allhands-Hedges Constr. Co., Springfield, Neb.

EXCAVATION AND DREDGING

Proposed Work

N. J., Jersey City—Dredging—City Comrs. plan to dredge Hudson River, foot of Morgan St. C. A. Van Keuren, city engr.

Fla., Ft. Lauderdale—Drainage—Napoleon B. Broward D. D., recently organized, will drain 528,000 acres in Everglades. A. L. Joiner, secy.

Ark., Marianna—Drainage—Phillips D. D. plans to build drainage system to reclaim Cypress and Flat Fork Sects., involving 45,000 acres cotton land, also 2 canals, combined length 23 mi. W. S. McClintock and M. H. Ford, Marianna, C. Jones, Lexa, comrs.

Ark., Pine Bluff—Drainage—Flat Bayou D.D. plans to build drainage system to reclaim 18,000 acres between Altheimer and Sherrill. About $70,000. J. F. Quattlebaum, pres. Parkes Engr. Co., Pine Bluff, engrs.

BIDS DESIRED

S. C., McCormick—See "Streets and Roads."

Tenn., Dyersburg—Drainage—Until July 25, by Bd. Dir. Lewis Creek D. D., building 8 mi. ditch 8- to 10-ft. bottom width, involving 271,773 cu.yd. excava. and 48.86 acres clearing; also removing 1 building from right of way. L. T. Berthe, Charleston, Mo., dist. engr.

Tenn., Dyersburg—Drainage—Until July 25 by Bd. Dir. North Fork D. D., building 12½ mi. main ditch, 60- to 80-ft. bottom, involving 2,291,610 cu.yd. excava. and 408.5 acres clearing; also building 8 lateral ditches about 8 mi. in length involving 88.5 acres clearing and 184,494 cu.yd. excava. L. T. Berthe, Charleston, Mo., dist. engr.

Ky., Calhoun—Drainage—Until July 18, by Bd. Drainage Comrs., work on D. D. No. 7, involving 148,189.8 cu.yd. earth removal. B. F. Landrum, pres.

Ia., Des Moines—Drainage—Until July 18, by J. M. Wells, engr., for Joint Dist. No. 1, Polk and Story Cos., Nevada, for system involving 16,629 ft. 18-, 26- and 34-in. tile. About $26,405. F. J. Alber, clk. Polk Co. F. E. King, clk. Story Co.

Ia., Mason City—Drainage—Until July 16, by G. E. Frost, co. aud., for constructing D. D. No. 51.

Ia., Nevada—Drainage—Until July 20, by F. E. King, co. aud., building ditches and drains, Richland Twp. D. D. No. 81, (a) open ditch work, involving part of main open ditch 9775 ft. long requiring 49,976 cu.yd. excava.; (b) all tile work involving 13,758 ft. of 10-, 12-, 15-, 22-, 24-, 26-, 34-, 36- and 39-in. tile, inlets and abutments.

Ia., Sac City—Drainage—Until Aug. 1, by E. W. Moyer, aud. Sac Co., building open drainage ditches, Big Cedar D. D. No. 181 of Sac, Buena Vista, Pocahontas and Calhoun Cos. requiring follow excava.; Sect. 1, 546,266 cu.yd.; Sect. 2, 1,513,000 cu.yd.; Sect. 3, 1,797,000 cu.yd.; Sect. 4, 644,397 cu.yd.; Sect. 5, 827,760 cu.yd.; Sect. 6, 7270 cu.yd.; Sect. 7, 8000 cu.yd.; Sect. 8, 66,400 cu.yd.; Sect. 9, 49,100 cu.yd.; Sect. 10, 660 cu.yd.; Sect. 12, 98,766 cu.yd.; Sect. 13, 7297 cu.yd.; Sect. 14, 190,575 cu.yd.; Sect. 15, 2700 cu.yd.

Minn., Marshall—Ditches—Until July 23, by County, building Co. Ditch No. 33, involving 27,365 ft. 5-, 6-, 7-, 8-, 9-, 10-, 12-, 14-, 16-in. tile, cost $5785; Ditch No. 34, 30,691 ft. 5-, 6-, 7-, 9-, 12-, 14-, 15-, 18- and 20-in. tile, $10,433; Ditch No. 35, 21,224 ft. 5-, 6-, 7-, 9-, 10-, 12-, 15-, 16- and 18-in. tile, $8071.

Minn., Morris—Ditch—Until July 19, by County, building Co. Ditch No. 30, involving 46,288 ft. tile of various sizes. C. R. Wolltham, co. aud.

Minn., Walker—Ditch—Until July 30, by C. D. Bacon, co. aud., for Co. Ditch No. 10, 17,265 cu.yd. excava. and 6374 acres clearing.

Ore., Canyon City—Ditch—Until July 16, by Blue Mt. Ditch Co. of Mt. Vernon at office of J. E. Marks, Canyon City, for water ditch 4.75 mi. long, 7 ft. wide on top and 5 ft. wide at bottom, carrying 1½ ft. water.

Cal., Susanville—Irrigation—Until July 31, Bd. Dir. Baxter Creek Irrigation Dist., buiding storage and canal systems except gates; plans involve earth dam 300,000-yd. outlet tunnel and spillways, canals, 2 mains total length 15 mi. About $250,000. H. S. Martin, ch. engr. Noted June 21.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Orange**—See "Streets and Roads."

★**Ia., Spirit Lake**—Drainage—County let contract Drain No. 19 to Clark Constr. Co., Clinton, and Cement Products Co., Spencer.

★**Minn., Chaska**—Ditch—County let contract Co. Ditch No. 6 to Central Contr. Co., Minneapolis. Noted May 31.

★**Minn., Ortonville**—Ditches—County let contract Co. Ditches No. 16 and 17 to Van Lohn & Schabot, Graceville; Ditch No. 19 to G. Swenson, Milbank, S. D.

★**S. D., Madison**—(Official)—Ditches—Co. Comrs. let contract Lake Co. Drainage Ditch No. 5 to W. R. Larson, Sioux Falls, $5996; No. 6, labor, to Myren Bros., $13,975, tile to Sioux City Concrete Pipe Co., Sioux City, $18,390. Noted June 14.

INDUSTRIAL WORKS

Proposed Work

N. Y., Greensboro—Swift & Co., 76 West Monroe St., Chicago, plans fertilizer factory here. About $60,000.

N. Y., New York—Fifth Avenue Coach Co., 10 East 102nd St., plans 4-story factory, 133rd St. and Bway. About $1,000,000. R. W. Meade, pres.

N. Y., New York—New York Butchers Dressed Meat Co., 11th Ave. and 39th St., plans 7-story, 100x125-ft. cold storage plant, 11th Ave. and 40th St. About $250,000.

N. J., Atlantic City—Atlantic City Steamship & Terminal Co., recently incorporated with capital stock of $300,000, plans shipyards here. Address L. D. Algar, 135 Jackson St.

N. J., Kearney—(Arlington P. O.)—Ford Motor Co., Highland Park, Mich., plans plant here. About $225,000.

Pa., Ardmore—See "Reinforced Concrete."

Pa., Phila.—See "Reinforced-Concrete."

Pa., Pittsburgh—Pittsburgh Printing Co., 518 7th Ave., plans 6-story brick and terra cotta factory at Forbes and 6th Aves.

Ga., Savannah—J. C. Lewis Motor Co., 309 Bull St., having plans prepared for 2-story, 60x90-ft. garage. About $60,000.

Ala., Mobile—Gulf, Mobile & Northern R.R. plans terminal improvements here. About $1,000,000. B. V. Wright, Laurel, Miss., ch. engr.

Miss., Meridan—City having plans prepared for ice plant. About $75,000. J. W. Parker, mayor.

O., Cincinnati—Worthington Pump and Machinery Co., 1504 1st Natl. Bank Bldg., had plans prepared for factory addition. About $100,000.

O., Columbus—Pennsylvania Lines West of Pittsburgh (Southwest System), will build new shops here. About $100,000. W. Cushing, Pittsburgh, ch. engr. M. W.

Ill., Chicago—See "Reinforced Concrete."

Ill., Chicago—Continental Can Co., 72 West Adams St., having plans prepared large can factory at West 65th St. and South 54th Ave. About $4,000,000.

Ill., Chicago—O. Heineman Co., 2701 Armitage Ave., plans 5-story mill on Fairfield Ave. About $100,000.

Wis., Milwaukee—W. G. Kellogg and C. Petit, 108-373 Bway., plan 500,000-bushel capacity elevator here. About $200,000.

Wis., Milwaukee—Globe Seamless Tubes Co., Burnham St., plans addition to plant in West Milwaukee. About $50,000.

Wis., Rosendale—Libby, McNeil & Libby, Union Stock Yards, Chicago, having plans prepared for condensary at Rosendale. About $50,000.

Ia., Sioux City—Sioux City Gas & Electric Co., 509-511 Pierce St., plans steel and frame addition to power plant. About $200,000. O. W. Harrod, engr.

Minn., Duluth—Duluth Bedding Co., 409 Lake Ave., plans new factory. About $65,000. C. Lavick, pres.

Neb., Omaha—See "Reinforced Concrete."

Mont., Great Falls—Anaconda Co. plans rod and wire mill at Boston & Montana smelting works here. About $500,000.

Mont., Great Falls—E. K. Cherington, Great Falls, plans warehouse and store here. About $70,000.

Tex., Temple—Atchison, Topeka & Santa Fe Ry. (Western Lines), plans brick freight depot and large warehouse here. About $85,000. F. M. Bisbee, Amarillo, ch. engr.

Ore., Medford—R. H. Parsons, Hillcrest Orchards, Seattle, plans cold storage warehouse here. About $60,000.

Ore., Oroville—Great Western Power Co., 14 Sonsome St., San Francisco, plans plant here. About $6,000,000. E. W. Beardsley, San Francisco, supt.

Ont., Hamilton—Canada Screw Co., Wellington St., W., plans brick addition to factory. About $100,000.

BIDS DESIRED

N. Y., Brooklyn—(Official)—Until July 25, by State Hospital Comm., Albany, for refrigeration equipment for storehouse and cold-storage building, Brooklyn State Hospital. E. S. Ellwood, secy.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—See "Reinforced Concrete."

★**Md., Baltimore**—Baltimore Dry Dock & Shipbuilding Co., 1720 Thames St., let contract for plant at Locust Point to Raymond Concrete Pile Co., 90 West St., New York City. About $2,000,000. Noted June 28.

★**O., Cincinnati**—Eflerose Sugar Co., recently organized, let contract 1-story brick, concrete and steel plant, 70th Ave., and Cleveland, Cincinnati, Chicago & St. Louis R.R. and Carthage Ave., to Ohio Bldg. & Constr. Co., Burnett near McMillan St., Mt. Auburn. About $50,000.

★**O., Cleveland**—See "Reinforced Concrete."

★**Ill., Chicago**—Illinois Steel Co., 208 South La Salle St., let contract 1-story steel mill, 86th and Mackinay Sts., to L. C. C. Holmboe, Chicago. About $100,000.

★**Minn., Minneapolis**—See "Reinforced Concrete."

★**Tex., Houston**—Swift & Co., 76 North Monroe St., Chicago, let contract cottonseed oil refinery at Houston Heights, to Horton & Horton, McKinney and Velasco Sts., $250,000.

★**Wash., Seattle**—Earl Fruit Co. let contract 10 warehouses to Hurley-Mason Co., Hoge Bldg. About $500,000.

★**Ont., Toronto**—See "Reinforced Concrete."

BUILDINGS

Proposed Work

N. H., Laconia—Dormitory—State having plans prepared by C. R. Whitcher, archt., The Beacon, Manchester, 2-story, at School for Feeble-Minded. About $58,000.

Buildings (Continued)

Mass., Lowell—School—Lowell Training School plans 3-story, 60 x 140-ft. brick addition on Wonalancet St. About $100,000. M. F. Davis and F. W. Stickney, Hildreth Bldg., archts.

Conn., Waterbury — High School — Bd. Educ. soon receives bids, 3-story, 190 x 196-ft. L. A. Walsh, 51 Leavenworth St., archt. About $539,916.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York City, having plans prepared by McKensie, Voorhees & Smelin, archts., 1123 Bway., New York City, 3-story, 56 x 94-ft., brick and stone, Liberty Ave. and Milford St. About $125,000.

N. Y., Brooklyn—Sunday School—Flatbush First Dutch Reformed Church, 900 Flatbush Ave., plans, brick and stone, on east side of Church Ave. About $100,000.

N. Y., Buffalo — Terminal — New York Central R.R. plans. About $4,000,000. G. K. Kittridge, Grand Central Terminal, New York City, ch. engr.

N. Y., Central Islip—Acute Patients' Building—Central Islip State Hospital soon lets contract. About $200,000. L. F. Pilcher, state archt.

N. Y., Long Island City—Loft—Huddleston & Marsh Mahogany Co., 33 West 42nd St., New York City, had plans prepared, 3-story, 100 x 100-ft., brick, at Riker and 9th Aves. About $50,000. E. Hahn, Queens Plaza Ct. Bldg., archt.

N. Y., Mt. Pleasant—Hospital—Westchester Co. Bldg. Comn. having plans prepared by James Brite, archt., 18 East 41st St. and Clark, McMullen & Riley, engrs., 101 Park Ave., both of New York. About $700,000.

N. Y., Newton (Flushing P. O.)—High School—Bd. Educ. plans, 4-story brick addition on Chicago Ave. About $350,000. B. Suydam, Elmhurst, school comr.

N. Y., New York—Hospital—Volunteer Hospital plans 4-story, 75 x 80-ft. addition. About $75,000. Gallington Booth, Beekman and Water Sts., pres. Adolph Mertin, 34 West 28th St., archt.

N. Y., New York—Theater—Felix Isman, 299 Madison Ave., and others, having plans prepared 8th Ave. between 48th and 49th Sts. Severance & Van Alen, 4 West 37th St., archts.

N. Y., New York—Club House—Y. M. H. A. plans, 2½-story, at Franklin Ave. and 169th St., Bronx Boro. About $50,000. L. A. Abramson, 220 5th Ave., archt.

N. Y., New York—Hospital—St. Lukes Hospital plans emergency war hospital on Amsterdam Ave. between 113th and 114th St., 2-story. About $90,000. W. A. Boring, professor of design in Columbia University School of Architecture, archt.

N. Y., Oswego—School—Bd. Educ. having plans prepared, 3-story, brick. M. F. Crimmin, pres. W. Potter, 1 Union Sq., New York City, archt.

N. Y., Riverdale — School — Bd. Educ. plans new building. About $95,000.

N. Y., Syracuse—School—Bd. Educ. having plans prepared, 2- or 3-story, brick and steel, 512 Emerson Ave. About $150,000. G. M. Fairchild, pres., Gordon & Wright, Union Bldg., archts.

N. Y., Syracuse—Temple—Labor Temple Assn. having plans prepared, 3-story, brick, 507-509 East Fayette St. About $50,000. E. E. Battey, 161 West Brighton Ave., archt.

N. J., Camden—Bank—Merchants' Trust Co., Bway. and Carman St., had plans prepared by P. A. Davis, archt., Sansom St., Phila., 1-story, 40 x 90-ft. About $80,000. G. A. Frey, pres.

N. J., Elizabeth — Hospital — Elizabeth General Hospital plans 5-story, 120 x 150-ft. addition. About $500,000. F. J. Faulkes, East Jersey St., pres. Crow, Lewis & Wickenhoefer, 200 5th Ave., New York City, archts.

N. J., Jersey City—Theater—Bon Ton Theater Co. plans rebuild theater recently destroyed by fire. About $50,000.

N. J., Newark—School—Bd. Educ. plans, 3-story, 105 x 137 ft., on Van Buren St. About $139,000.

N. J., Newark—Store and Office—W. B. Wood & Co., 30 Clinton St., having plans prepared, 5-story 30 x 121-ft., at 43 Clinton St. C. E. Murray, 20 Clinton St., archt.

N. J., Newark—See "Miscellaneous."

Pa., Pittsburgh—Store—J. N. McCullough Estate plans, 2-story brick and concrete at 324 5th Ave. About $88,000.

Md., Catonsville — Church—Presbyterian Church having plans prepared, brick and stone. About $50,000. J. E. Nesbit, pastor.

Wash., D. C.—Church—First Reformed Church, 13th and Monroe Sts., N. W., having plans prepared. About $50,000. J. D. Buhrer, 13th and Monroe Sts., pastor.

Va., Ft. Royal—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened June 20. Noted May 31.

S. C., Columbia—School—City had plans prepared for new buildings at Industrial Training School. About $100,000. X. A. Kramer, Magnolia, Miss., archt.

Fla., Key West—Hotel—Florida & East Coast Ry. plan. About $250,000. Address W. A. Blount, Florida & East Coast Ry.

Ala., Flint Ridge—Hospital—Tennessee Coal, Iron & R.R. Co., 1016 Union Trust Bldg., Cincinnati, having plans prepared, 3-story, with 2 wings. About $425,000.

La., Alexandria—Leland University having plans prepared by Favrot Livaudais, archts., Title Guarantee Bldg., New Orleans. About $100,000.

La., Lafayette—School—City voted $75,000 bonds to build school. Address the Mayor.

La., New Orleans—Church—Grace Episcopal Congregation plans to build. About $50,000. A. R. Edbrooks, 923 North Solomon St., pastor.

Tenn., Bartlett—High School—Bd. Educ. of Shelby Co. having plans prepared by McGee & Lester, archts. Scimitar Bldg., Memphis. About $50,000.

Tenn., Chattanooga—High School—Bd. Educ. having plans prepared by R. H. Hunt, archt., James Bldg. About $200,000.

Tenn., Cumberland Gap—Memorial—Lincoln Memorial University had plans prepared by A. L. Fechleimer, archt., 153 Union Trust Bldg., Cincinnati, 2- or 3-story. About $60,000.

Tenn., Kingsport—School—City approved $150,000 bond issue for new school and street improvements. W. M. Pouder, city mgr.

Tenn., Memphis — Hospital — Tri-State Baptist Hospital rejected bids. New bids. About $175,000. C. O. Pfiel, Tenn. Trust Bldg., archt. Noted May 10.

Ky., Ashland—School—City authorized sale of $100,000 bonds for new building.

O., Akron—School—Bd. Educ. having plans prepared by F. L. Packard, 1212 Haydon Bldg., Columbus, and T. R. Ridley, Akron Savings and Loan Bldg., archts., 2- or 3-story. About $500,000.

O., Ashland—Hotel—Otter Hotel—Main St. soon lets contract 5-story, 32 x 80-ft. addition. About $50,000. V. Redding, Bird Bldg., Mansfield, archt. Noted Apr. 26.

O., Carey—Hotel—Shrine of Our Lady of Consolation plans, 3-story, 65 x 80-ft. T. Huber, 750 Spitzer Bldg., Toledo, archt., soon receives bids.

O., Cincinnati—School—Bd. Educ. having plans prepared by Garber & Woodward, archts., Union Central Bldg., 3-story. About $500,000.

O., Cleveland — Welfare Bldg.—Hydraulic Pressed Steel Co., 3152 East 61st St., soon receives bids, 2-story, 45 x 165-ft. brick, steel and rein. con. About $50,000. W. S. Ferguson Co., 1900 Euclid Ave., archts.

O., Cleveland—Association—F. C. Worth, 2268 East 49th St., soon lets contract, brick and steel. Central and East 55th Sts. About $200,000. J. Eisenman, 491 Arcade Bldg., archt.

O., Cleveland — Church — St. Martins Episcopal Congregation having plans prepared by Meade & Hamilton, archts., 1002 Garfield Bldg., brick, on Euclid Heights. About $150,000.

O., Cleveland — Theater — Stork Amusement Co., care of A. A. Silberberg, having plans prepared by S. H. Weis, archt., 1030 Schofield Bldg., brick and concrete. About $50,000.

O., Cleveland—Home—Montefiore Home for Aged and Infirm Israelites plans, 2- or 3-story, 300 x 800-ft. About $75,000. L. M. Wolf, 414 Swetland Bldg., chn. C. R. Greco, 729 Guardian Bldg., archt.

O., Cleveland — Natatorium — Cleveland Natatorium Co., American Trust Bldg., soon lets contract, 119x125 ft., brick and steel, East 66th and Euclid Ave. About $100,000. H. Kregelius, 418 American Trust Bldg., archt.

O., Cleveland—Junior High School—Bd. Educ. having plans prepared by C. S. Schneider, archt., 2258 Euclid Ave., 2- or 3-story. About $100,000.

O., Cleveland Heights — (Warrensville P. O.)—Home for Aged—Montefiore Home for Aged and Infirm Israelites having plans prepared by C. R. Greco, archt., 729 Guardian Bldg., Cleveland, 2-story. About $75,000.

O., Columbus—Y. M. C. A. soon lets contract 4-story building. About $100,000. C. E. Smith, 175 North Front St., chn. Shattuck & Hussey, 19 South La Salle St., Chicago, and O. C. Darst, 1109 Bruson Bldg., archts.

O., Columbus — School—Franklin Twp. plans 2-story high and grade. About $[illegible],000. Mills & Millspaugh Co., 67 East Long St., archts., soon receive bids.

O., East Cleveland—(Cleveland P. O.) Junior High School—Bd. Educ. having plans prepared, 2- or 3-story. C. S. Schneider, 2258 Euclid Ave., Cleveland, archt. About $100,000.

O., East Cleveland—(Cleveland P. O.) Technical High School—Bd. Educ. plans, 2-story. About $200,000. W. H. Nicklas, 1900 Euclid Ave., Cleveland, archt.

O., Ironton—Hotel, Store, Etc.—Ironton Hotel Co. had plans prepared by Howard & Merriam, archts., 8 East Broad St., 5-story, 32 x 132-ft. About $125,000.

O. Latty — School — Bd. Educ. having plans prepared, 2-story. About $50,000 or $60,000. F. L. Packard, 1212 Hayden Bldg., Columbus, archt.

O., Rushville—High and Grade School—Bd. Educ. plans, 2-story. About $70,000. F. L. Packard, Hayden Bldg., Columbus, archt.

O., Toledo—Museum—Toledo Museum of Art having plans prepared by Green & Wicks, archts, 110 Franklin St., Buffalo, for addition. About $600,000. G. W. Stevens, Monroe and Scottwood Sts., dir.

O., Zanesville — Lodge — Loyal Order Moose plans. About $50,000.

Ind., Evansville—High School—Bd. Educ. having plans prepared by C. Shopbell & Co., archts., 707 Furniture Bldg., 2-story, 84 x 300-ft., junior high school. About $100,000.

Ind., Vincennes—Church—First M. E. Congregation having plans prepared by L. H. Ostehage, archt., 2nd Natl. Bank Bldg., 1-story, 76 x 116-ft. About $75,000.

Mich., Detroit—School—Bd. Educ. having plans prepared by Malcomson & Higgenbotham, archts., 404 Moffatt Bldg., 2-story, for crippled children. About $100,000.

Mich., Detroit—Hospital—Ford Hospital plans 4-story addition. About $1,500,000. E. L. McPhee, Hamilton and West Grand Blvd., supt.

Mich., Hancock—Church—First Congregational Church soon receives bids. About $75,000. L. Christensen, Houghton, Secy. H. T. Liebert, Marathon Co. Bank Bldg., Wausau, Wis., archt.

Mich., Marquette — High School — Bd. Educ. having plans prepared, 3-story. About $150,000. A. R. Watson, supt. J. D. Chubb, 109 North Dearborn St., Chicago, archt.

Ill., Chicago — Church—Grace Episcopal Congregation having plans prepared by B. G. Goodhue, 2 West 47th St., New York City, and Lowe & Bollenbach, 14 East Jackson Blvd., archts., rebuilding church and chapel. About $200,000.

Ill., Chicago—Church—16th Church of Christ Scientist having plans prepared by H. L. Cheney, archt., 30 North Michigan Ave., 120 x 160-ft. About $100,000.

Ill., Niles Center — Club House — New Evanston Golf Club having plans prepared, 1-, 2- and 3-story, 60 x 280-ft. club house and golf links. About $200,000. C. F. Yegge, pres., and W. Ahlschlger, archt., both of 111 West Washington St., Chicago.

Ill., Riverside—Home—Scottish Old People's Home, recently destroyed by fire, will be rebuilt. Mundie & Jensen, 39 South La Salle St., Chicago, archts., soon receive bids. About $100,000.

Ill., Rockford—Bank and Office—Porter Bldg. Co., 302 State St., had plans prepared by F. Carpenter, archt., 420 Brown Blk., 10-story, 66 x 114-ft. About $275,000.

Wis., Ladysmith—Convent and Hospital—Mantelate Sisters of St. Marys, having plans prepared 3-story, 48 x 100-ft. and 2-story, 40 x 90-ft. H. F. Lieber, Marathon Co. Bank Bldg., Wausau, archt.

Wis., Milwaukee—Restaurant—Grove Investment Co., care W. Schroeder, 86 Michigan St., plans 6- or 8-story. About $100,000. Kirchoff & Rose, Majestic Bldg., archts., soon receives bids.

Wis., Wauwatosa—Children's Cottage—Bd. Administration plans. About $60,000. D. H. Davies, secy., R. A. Messmer & Bros., Majestic Bldg., Milwaukee, archts.

Buildings (Continued)

Ia., Glidden—School—Consolidated Dist. Bldg. plans prepared, 3-story, 144 x 144-ft. brick, terra cotta and rein.-con. About $60,000. H. M. Marker, Jefferson, and N. W. Vorse, 911 S. & L. Bldg., Des Moines, archts.

Ia., Jordan—School—City plans election July 16 to vote on $60,000 bond issue to build school.

Ia., Mapleton—High and Grade School—Bd. Educ. soon lets contract, 3-story, 79 x 164-ft. Trunk & Gordon, Donnell Court Bldg., St. Joseph, Mo., archts.

Ia., Sioux City—Church—Trinity Lutheran Church plans, 1-story, 60 x 100-ft. About $75,000. D. R. Huber, pastor. Beutler & Arnold, 609 Security Bldg., archts., soon receive bids.

Ia., Sioux City—Hotel—W. B. Nation having plans prepared, 10-story. F. W. Fitzpatrick, 4200 16th St., Wash., D. C., archt.

Minn., Hibbing — Home — Elks Lodge plans to build. About $60,000. Holstead & Sullivan, Pallidio Bldg., Duluth, archts.

Minn., Minneapolis—Hospital—City Hospital having plans prepared, 3-story. About $60,000. A. S. O'Donnell, superv. Long, Lamoreaux & Long, 830 Hennipin Ave., archts.

Minn., New Ulm—Church—St. Marys Congregation having plans prepared for parochial school and church. R. Chlinkert, pastor. Parkinson & Dockendorf, Linker Bldg., La Crosse, Wis., archts.

Minn., St. Paul — Schools — Bd. Educ. plans 30-room intermediate and 20-room elementary school. About $365,000. A. Wunderlich, school comr.

Minn., St. Paul—College—Concordia College plans to build on Syndicate Ave., between Carroll and Iglehart Aves. About $100,000.

Minn., St. Paul—Hotel—J. H. Meyering, Leamington Hotel, Minneapolis, having plans prepared, 10-story. About $600,000. Cederburg & Van Kirk, 300 Endicott Bldg., St. Paul, archts.

Minn., Shakopee—Women's Reformatory—State Bd. Control will build, 3-story, 65 x 125-ft. About $200,000. D. F. Mullen, secy. C. H. Johnston, 715 Capital Bldg., St. Paul, archt.

Kan., Augusta—School—Bd. Educ. rejected bids. New bids. About $50,000. G. P. Washburn & Son, 222 South Main St., Ottawa, archts.

Kan., Hutchinson — High School — Bd. Educ. soon lets contract, 4-story, 95 x 114-ft. About $125,000. W. E. Hulse & Co., First Natl. Bank Bldg., archts.

Kan., Kansas City — Stations — Kansas City Terminal Ry. plans 2 passenger stations. About $50,000. J. V. Hanna, 209 Union Sta., Kansas City, Mo., ch. engr.

Kan., Leavenworth—School Bd. Educ. had plans prepared for 3-story addition. W. P. Feth, Feth Bldg., archt.

Neb., Lincoln—Bank and Office—Nebraska Central Bldg. and Loan Assn., care of Folson Bros., 1423 O St., soon receives bids, 5-story, 25 x 142-ft. About $80,000. Fiske & Meginnis, 529 Bankers' Life Bldg., archts.

Neb., Omaha—Church—Second Church of Christ Scientist plans new building. About $50,000. H. P. Dunker, chn. bldg. com.

S. D., Mitchell—School—Bd. Educ. had plans prepared for 2-story addition. About $75,000. A. B. McKeel, clk., Holmes & Flinn, 8 South Dearborn St., Chicago, archts.

Mont., Great Falls—School—City voted $125,000 bonds to build junior high school.

Mo., Kansas City—Club House—Kansas City Athletic Club having plans prepared, 12-story. About $1,000,000. L. C. Smith, chn. bldg. comn. Smith, Rea & Lovitt, Washington Arcade, archts.

Mo., St. Louis—School—Bd. Educ. plans 2-story, 80 x 110-ft. About $125,000. C. P. Mason, secy., R. M. Milligan, B. of E. Bldg., archt.

Tex., Austin—Library—City plans election to vote on $100,000 bond issue to build library. A. P. Woolridge, mayor.

Tex., Dallas—Terminal—Texas Electric Ry. plans to erect new terminal building. About $100,000. O. A. Teal, Dallas, chief engr.

Tex., Denton—Dormitory—College of Industrial Arts had plans prepared for hall and dormitory. E. O. Taylor & C. W. Bulger, Dallas, archts. About $280,000.

Tex., Waco—Store—Williams Dry Goods Co. having plans prepared by Ross & Cason, archts., Amicable Bldg. About $100,000.

Okla., Oklahoma—Art Bldg.—City and State Exposition Co. plan, 1-story, 200 x 300-ft. brick and rein.-con. About $100,000. Layton & Smith, 701 Majestic Bldg., archts.

Okla., Oklahoma—City and State Exposition Co. plans prepared, 1-story, 200 x 300-ft., rein.-con. and brick building. About $100,000. Layton & Smith, Majestic Bldg., archts.

Okla., Stillwater—Science Hall—State Bd. Agriculture plans 2-story, 80 x 110-ft. About $100,000. F. C. Biggin, state archt.

Colo., Greeley—Theater—H. T. Nolan, 1301 Ogden Ave., Denver, and others, plan, on 9th street. About $100,000.

Utah, Salt Lake City—Gymnasium—Regents of University of Utah plan. About $512,500.

Ore., Ashland—High School—City voted $70,000 bond issue for high school.

Cal., Healdsburg — School — City voted $100,000 to build school.

BIDS DESIRED

N. Y., Troy—High School—Until Aug. 20 by Bd. Educ., on Columbia Terrace. Tooker & Marsh, 101 Park Ave., New York City, archts.

Fla., Jacksonville — School—Until July 21, by F. A. Hathaway, supt. bd. educ., for 10-room school at Johnson Addition, La Villa Park. About $65,000. Noted Apr. 5.

Ind., Ft. Wayne—(Official)—Until Aug. 1, by C. R. Weatherhogg, archt., Hamilton Natl. Bank Bldg., for 7-story rein.-con., stone and brick building at East Washington Blvd. and Barr St. for Y. M. C. A. About $225,000. A. H. Perfect, chn. Noted May 24.

Ind., Greencastle—(Official)—School—Until July 20 by Bd. Educ. About $100,000. H. L. Bass, Hume-Mansur Bldg., Indianapolis. Noted June 21.

Ia., Mapleton—Schools—Until July 16, by N. W. Pike, secy. bd. educ., 3-story, 79x164-ft. About $95,000. Trunk & Gordon, Court Bldg., St. Joseph, Mo., archts.

Minn., Randolph—School—Until July 18, by G. L. Morrill, clk., bd. educ. About $50,000. Tyrie & Chapman, Auditorium Bldg., Minneapolis, archts. Noted May 31.

N. D., Blue Hill—School—Until July 16, by O. Johnson, clk. bd. educ. About $80,000. G. R. Horton, Jamestown, archt.

Colo., Monte Vista—High School—Until July 16, by G. B. Robertson, archt., Majestic Bldg. About $60,000.

Okla., Stillwater—Court House and Jail—Until Aug. 1 by W. T. Keys, co. clk. About $100,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Dorchester**—School—Bd. Educ. let contract, 2-story, 151x159-ft., brick and limestone, in Glenway St., to W. H. Haynes, 40 Court St., Boston. About $275,000.

★**N. Y., Athens**—School—Bd. Educ. let contract to William B. Richards, 24 Gates St., Wilkes-Barre. About $51,485.

★**N. Y., Brooklyn**—Church—First Baptist Congregation, Pierpont St., let contract rebuilding, Flatbush Ave. and Schermerhorn St., to H. J. Brown & Son, 1354 Fulton St. About $75,000.

★**N. Y., Brooklyn**—Church—First Baptist Congregation, 247 New York Ave., let contract rebuilding to H. J. Brown & Son, Inc., 1534 Fulton St. About $75,000.

★**N. Y., Brooklyn** — Theater — Putnam Theatrical Co., let contract, 124x205-ft. terra cotta, brick and granite at Fulton, Livingston and Smith Sts. and Gallatin Pl., to Fleischman Constr. Co., 7 West 45th St., New York City. About $50,000.

N. Y., Brooklyn—Hospital—C. C. Peck Memorial Hospital let contract 5-story brick and stone addition to J. G. Hegeman, Inc., 29 West 42nd St., New York City.

★**N. Y., New York** — Exchange — New York Telephone Co., 15 Dey St., let contract, 5-story, 66 x 85-ft. addition at 336 West 150th St. to E. E. Paul Co., 101 Park Ave., $100,000.

★**N. Y., New York**—Club House—Columbia University Club let contract, 7-story, 100 x 125-ft., to J. Laimbeer, 103 Park Ave.

★**N. Y., New York**—Theater—1620 Bway. Co. let contract, 100 x 143-ft., to Lippe Contr. Co., 52 Vanderbilt Ave. About $300,000.

★**N. Y., Niagara Falls**—Y. W. C. A., care of Mrs. P. H. Barton, 352 Buffalo Ave., let contract to Brass Bros., 1110 Whitney Ave., $66,000.

★**N. Y., Syracuse**—School—Bd. Educ. let contract to Phelan Bldg. and Constr. Co., 79 River St., Hoboken. About $500,000.

★**N. J., Newark**—Theater—A. W. Moore, 22 Green St., let contract, 1- and 2-story, 125x150-ft. brick, on Mt. Prospect Ave. and Heller Pkway, to I. Feinsod, 402 Hunterdon St. About $70,000.

★**Pa., Brownsville** — School—Bd. Educ., Luzerne Twp., let contract 2-story, 65 x 110-ft., to Brownsville Constr. Co., Brownsville. About $60,000.

★**Pa., Locust Gap** — High School—Bd. Educ. let contract 2-story, 80 x 140-ft., to A. Breslin, Summithill. About $80,000.

★**Pa., Phila.**—Hotel—Hotel Rodman let contract, 7-story, 60 x 160-ft., Brown and Broad Sts., to Steele & Sons Co., 1600 Arch St. About $142,500.

★**Pa., Phila.** — Office — Studebaker Corp. let contract, 7-story, at Broad and Brown Sts., to Wm. Steele & Sons Co., 1600 Arch St. About $350,000.

★**Pa., Pittsburgh** — Theater — Olympic Theater, J. Baziotes & M. Antonopolis, 318 5th Ave., let contract addition and remodeling to H. Miller & Sons, May Bldg. About $100,000.

★**Va., Petersburg**—School—Bd. Educ. let contract to D. P. Bass, Petersburg. About $79,972.

★**Va., Richmond** — Hospital — Memorial Hospital, care of Virginia Medical College, 11th and Broad Sts., let contract 4-story addition to A. M. Walkup & Co. Noted June 28.

★**Fla., Miami**—Hospital—City let contract to St. John Constr. Co. About $52,218.

★**Ala., Ensley**—Bank—Bank of Ensley let contract new building, Ave. E and 19th St., to G. W. Muller Bank Fixture Co. About $150,000.

★**O., Dayton**—Theater and Store—Dayton Theater Bldg. Co., care of F. Rike, Main and 2nd Sts., let contract, 3-story, 99 x 198-ft., to Danis Hunt Co,. 1st and Webb Sts. About $225,000.

★**Ind., Auburn**—Jail—Dekalb Co. let contract 2-story, 43 x 115-ft., to H. H. Achemier. About $50,000.

★**Mich., Highland Park**—High School—Bd. Educ. let contract addition to Bryant & Detwiler, 2336-39 Dime Bank Bldg., Detroit. About $550,000.

★**Ill., Chicago**—Theater, Stores, Etc.—Thomas Chamales, 4800 Bway., let contract, 3-story, 149 x 163-ft., to Kusel & Harris, 30 North La Salle St. About $300,000.

★**Ia., Nevada**—Home—Story Co. let contract 2-story, 92 x 118-ft., brick, stone and rein.-con., to W. F. Kucharo, Security Bldg., Des Moines. About $56,960.

★**Ia., Woodward**—Custodial—Bd. Control let contract, 2-story, 35 x 220-ft., brick, tile and rein.-con., to J. E. Tusant & Son, 934 13th St., Des Moines. About $72,924.

★**Minn., Ironton**—School—Bd. Educ. let contract 2-story, 50 x 102-ft., to Bracker Constr. Co., 629 Monmouth Bldg., Minneapolis. About $100,000. Noted June 18.

★**Neb., Hastings**—School—Bd. of Educ. let contract to Olson & Johnson, 508 Montana Bldg., Missoula, Mont. About $55,825.

★**Neb., Omaha**—Office—McCaffrey Motor Co. let contract, 3-story, brick and stone, to Olson & Johnson, 638 1st Natl. Bank Bldg. About $50,000.

★**Neb., York**—Hotel—York Hotel Co. let contract to Peter Kiewit & Son, 24th and Pratt St., Omaha. About $108,000. Noted May 3.

★**Neb., York**—Schools—Bd. Educ. let contract, 3-story, 53 x 94-ft. to Olson & Johnson, Omaha. About $142,000.

★**Mont., Billings**—Hospital—St. Vincent's Hospital let contract addition to Gagnon & Co., 201 22nd St. About $100,000.

★**Mo., St. Louis** — Theater — Vaudeville Theater Co., 705 Olive St., let contract alterations to theater and office building to Federal Constr. Co., 812 Olive St., $75,000.

★**Mo., St. Louis**—Y. M. C. A. let contract building to John Hill Constr. Co., 1519 Water St., Spokane. About $150,000.

★**Tex., Beaumont**—Office—B. Deutser let contract remodeling 2-story office building and constructing 2-story addition to T. Gibson, Port Arthur. About $60,000.

★**Tex., Dallas**—Bank and Office—American Exchange Natl. Bank let contract, 15-story, 100 x 145-ft., to J. W. Thompson, St. Louis.

Buildings (Continued)

★**Tex., El Paso**—See "Reinforced-Concrete."

★**Tex., Sour Lake**—School—Bd. Educ. let contract, 135 x 135-ft., rein.-con. and brick, to M. C. Bowden, 1801 C St., Galveston. About $75,000.

★**Tex., Victoria**—High School—Bd. Educ. let contract 3-story, fireproof, to S. M. Bailey, $54,487.

Ariz., Tucson—School—Bd. Educ. received low bid from W. H. Young. About $93,236.

★**Ore., Pendleton**—Mausoleum—City let contract to Parker & Benfield, Portland. About $60,000.

Cal., Los Angeles—Hotel—Bear Lake Tavern Co., Security Bldg., let contract 80 x 265-ft., at Bear Lake, to C. L. Robinson, Hibernian Bldg. About $60,000.

★**Cal., Yreka**—School—Bd. Educ. let contract to T. B. Goodwin, San Francisco, about $52,160.

FEDERAL GOVERNMENT WORK

Proposed Work

Pa., Monessen—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids. Noted July 5.

Wash., D. C.—Emergency Hospitals—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., soon lets contract building emergency hospitals at Annapolis, Md., Brooklyn, N. Y., Quantico, Va., Key West, Fla., Mare Island (Vallejo P. O.), Cal., Puget Sound (Bremerton P. O.), Wash., Portsmouth, N. H., Jamestown, Va., Newport, R. I. and Norfolk, Va.

N. C., Wash Woods—Coast Guard—Navy Dept., U. S. Coast Guard Headquarters, Wash., rejected bids opened June 16. Noted June 28.

Cal., San Francisco—Quarters—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., received no bids July 2 for chief petty officers' quarters at Naval Training Station.

BIDS DESIRED

R. I., Newport—Primer Filling House—Until July 30 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., building 2-story, rein.-con., wood finished floors over concrete, brick panels, steel sash, built-up roofing on concrete slab, electric elevator and lighting at Naval Torpedo Station, Narragansett Bay.

N. Y., New York—Until July 30, by U. S. Engr. Office, Army Bldg., 39 Whitehall St., dredging in Wappinger Creek and Tarrytown and Peekskill Harbors, N. Y.

Wash., D. C.—Post Office—Until Aug. 17, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Ga., West Point—Post Office—Until Aug. 14, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Ala., Jasper—Post Office—Until July 17, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Mo., St. Louis—Levee Work—Until July 21, by Mississippi River Comn., 1311 International Life Bldg., for 259,100 cu.yd. earthwork in Sny Island Levee D. D., Ill.

Wash., Puget Sound—(Bremerton P. O.)—Caisson Gate—Until July 25, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., caisson gate for shipbuilding dock at Naval Station.

Wash., Puget Sound—(Bremerton P. O.)—Storehouse—Until July 25, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., at Navy Yard.

Wash., Keyport—Tanks and Towers—Until July 30, by Bureau Yards and Docks (F. R. Harris, ch.)—Navy Dept., Wash., 2 steel water tanks and tower at torpedo station.

Cal., Mare Island—(Vallejo P. O.)—Cranes—Until July 25, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., furnishing electric traveling cranes for extension to machine shop.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Phila.**—Storehouse—Bureau Yards and Docks, Navy Dept., Wash., let contract advance base storehouse at Marine Barracks, to McCloskey & Bahl, 1620 Thompson St., $75,914. Noted July 5.

Wash., D. C.—Buildings—Bureau Yards and Docks, Navy Dept., received low bids, June 25, 14 magazine buildings: 7 for Lake Denmark, 2 for Iona Island, N. Y., 5 for Hingham, Mass., as follows: Snare & Triest, Woolworth Bldg., New York City, $546,000; J. C. Lyons Sons Co., 30 East 42nd St., New York City, $63,000; Kennedy & Paterson, 7 Water St., Boston, $416,400; J. H. Miller, Baltimore, $347,700; Boyle-Robertson Co., Evans Bldg., $360,275. Noted May 31.

Wash., D. C.—Canal Wall—Dist. Comrs., Room 509, Dist. Bldg., received low bids July 2, (a) ordinary excavation above elevation, (b) ordinary excavation below elevation, (c) rock excavation above elevation, (d) rock excavation below elevation, (e) concrete above elevation, (f) concrete below elevation, from W. F. Cush, 1st and F Sts., (a) $1.75, (b) $2.00, (c) $3.50, (d) $5.00, (e) $9.50, (f) $10.00; W. D. Murray, Benning Rd., (a) $2.17, (b) $3.12, (c) $2.75, (d) $2.75, (e) $11.00, (f) $12,000. Noted June 28.

★**Wash., D. C.**—Cement—F. G. Lane, secy. of Interior, U. S. Rec. Ser., let contract furnishing portland cement for various reclamation projects during year as follows: Southwestern Portland Cement Co., El Paso, 9000 bbls., $2.28 per bbl.; Riverside Portland Cement Co., Crestmore, Cal., 3250 bbl., $1.90; Dewey Portland Cement Co., Dewey, Okla., 2960 bbls., $1.80; Pacific Portland Cement Co., Tolenas, Cal., 22,463 bbls., $1.80; International Portland Cement Co., Irwin, Wash., 5100 bbls., $2.10; Three Forks Portland Cement Co., Trident, Mont., 7055 bbls., $2.30; U. S. Portland Cement Co., Concrete, Colo., 22,200 bbls., $2.00; Portland Cement Co. of Utah, 8 Exchange Pl., Salt Lake City, 2000 bbls., $2.30.

★**Wash., D. C.**—Coast Guard—Navy Dept., U. S. Coast Guard Headquarters, let contract Coast Guard Station No. 184, Creeds Hill, N. C., to J. W. Martin, Elizabeth City, N. C., $17,567.

★**Wash., D. C.**—Generators—Bureau Yards and Docks, Navy Dept., let contract motor-generator sets at Norfolk, Puget Sound, Phila., Charleston, S. C. and Washington Navy Yards to General Electric Co., River Road, Schenectady, N. Y. Total cost, $155,675.

★**Wash., D. C.**—Quay Wall—Bureau Yards and Docks, Navy Dept., let contract extension to quay wall to Clark & Winston Co., 10th St., Wash., D. C., $21,965.

W. Va., Charleston—Cranes—Bureau Yards and Docks, Navy Dept., Wash., received low bids furnishing electric traveling cranes for projectile plant, from Cleveland Crane & Engr. Co., Wycliff, O., (a) $55,965, (b) $34,925, (c) $11,345, (d) $29,075, time 3 to 6 mos.; Manning, Maxwell & Moore, 119 West 40th St., New York City, (a) $48,864, (b) $27,918, (c) $9338, (d) $28,956, spare parts for motors, $224, time 224 to 252 days; Morgan Engr. Co., City National Bank Bldg., Dayton, (a) $61,850, (b) $37,450, (c) $13,145, (d) $36,300, f.o.b. Alliance, freight allowed to Charleston; delivery, 8 mos.

★**Ky., Louisville**—Mason & Hanger Co., general contractors for U. S. cantonment, sublet contract building 6-mi. asphalt and concrete roadway through camp to H. Bickel Co., 1601 South 6th St., $75,000 to $100,000; plumbing for cantonment to City Plumbing & Heating Co., $300,000.

★**Ill., Great Lakes**—Bridges, etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract building temporary but substantial bridges to Leyden-Ortseifen Co., Monadnock Bldg., Chicago, cost plus basis.

★**Ill., Great Lakes**—Dormitory, Etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract dormitory, latrine, mess hall and accessory buildings for 2 detention units, etc., at Camp Ross, to J. O. Heyworth, 606 South Michigan Ave., Chicago, cost plus basis.

★**Ill., Great Lakes**—Dormitory, etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract dormitory, latrine, mess hall and accessory building for 4 regiments to Paschen Bros., Conway Bldg., Chicago, cost plus basis.

★**Ill., Great Lakes**—Sewerage System, Etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract sewerage system and road work at U. S. cantonment to H. J. Nichols, 459 Rookery St., Chicago, cost plus 10%.

Ark., Prescott—Post Office—J. A. Wetmore, superv. archt., received low bid, July 28, from A. Blair, Hill Bldg., Montgomery, Ala., $49,520. Noted June 7.

★**N. Mex., Pueblo Boneto**—Mess Hall, Etc.—Comr. Indian Affairs, Wash., let contract mess hall and schoolhouse to [illegible] Zillmer, Albuquerque, $22,705 and $[illegible] respectively; work complete $50,20[illegible]

MISCELLANEOUS

Proposed Work

Dam—Readsboro, Vt.—New England Power Co. plans earthen dam, 200 ft. high to create storage basin having capacity of 3,600,000 cu.ft.; from this dam tunnels to be bored through mountain a distance of 14,000 ft. to point known as Davis Bridge where power plant with a capacity of 30,000 hp. will be erected. H. I. Harriman, pres.

Parks—Newark, N. J.—Bd. Freeholders will sell $500,000 bonds July 24, to acquire lands for public parks and erecting buildings thereon. F. E. Ward, clk.

Elimination of Grade Crossings—N. J., South Orange—See "Sewers."

Park Improvements—Kansas City, Mo.—Council passed ordinance to issue $100,000 bonds to improve Brush Creek Park. H. L. Jost, mayor.

Channel—Beaumont, Tex.—City election in August to vote on $300,000 bonds to deepen Beaumont ship channel.

Park Improvements, Etc.—Utah, Salt Lake City—See "Sewers."

Tunnels—San Francisco, Cal.—City receives bids in August building 19 mi. tunnels on Hetchy-Hetchy aqueduct. About $6,000,000.

Harbor Improvements, etc.—Toronto, Ont.—Bd. Control plan to issue $4,000,000 for harbor improvements and $720,000 for civic hydro system.

BIDS DESIRED

Tide Gate with Spillways, etc.—New Haven, Conn.—Until July 18, by F. L. Ford, city engr., for tide gate with spillways and river walls on Mill River, north State St.

Stations—New York, N. Y.—Until July 18 by Pub. Ser. Comn., 120 Bway., station finish for 2 stations on Bway-4th Ave. Rapid Transit R.R.

Street Signs—Camden, N. J.—Until July 16 by Bd. Freeholders, for 1000 metal street signs. F. S. Vanhart, chn. st. com.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Riprap—Richmond, Cal.—Bd. Harbor Comn. received low bids, 12,000 tons riprap for clay bulkhead in inner harbor, from Plate Bros., $2.73 per ton; Healy-Tibbits Constr. Co., 9 Main St., San Francisco, $2.78; Daniel Contr. Co., 503 Market St., San Francisco, $3.10.

BUILDING OPERATIONS FOR JUNE

Following is a list of contracts awarded published by the F. M. Dodge Co. for New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota, and portions of Missouri and eastern Kansas from Jan. 1 to July 1:

From January 1 to July 1:

1017	$831,402,000
1916	596,583,586
1915	413,532,600
1914	382,532,000
1913	472,372,500
1912	406,011,000
1911	416,227,813
1910	454,145,798

NEW YORK AND NORTHERN NEW JERSEY

January 1 to July 1:

1917	$155,281,000
1916	74,922,500
1915	72,558,000
1914	65,926,000
1913	158,017,500
1912	122,328,000
1911	129,784,000
1910	144,918,000

For the larger territory covered contracts awarded amounted to $206,541,000 against $157,563,000 for May and $148,513,000 for April, an increase over May of $49,000,000. For the smaller territories in New York and the northern part of New Jersey, the contracts awarded amounted to $27,387,000 as against $32,419,000 in May and $26,823 in April, showing very little change.